CRFR

Corticotropin-releasing Factor Receptor

The CRFR (Corticotropin-releasing Factor Receptor, CRHR) belongs to the G-coupled receptor superfamily. Two receptor subtypes, CRF_1 receptor and CRF_2 receptor, and several splice variants for both receptor subtypes have been discovered. CRF itself has a greater affinity for CRF_1 receptors while urocortin 1 (Ucn 1) binds with high affinity to both receptors and Ucn 2 and Ucn 3 both preferentially bind to CRF_2 receptors.

Two CRF receptor subtypes are encoded by distinct genes which exhibit diverse alternative pre-mRNA splicing patterns resulting in multiple variants derived from partial or total exon deletions or insertions. With regard to the nine human CRF_1 variants, CRF_{1a-i}, described, CRF_1a being the main wild type functional receptor while the other isoforms may modulate CRF signaling. For the CRF_2, three functionally active splice variants, CRF_{2a-c}, have been described in humans.

Antisauvagine-30

(aSvg-30) Cat. No.: HY-P1107

Antisauvagine-30 (aSvg-30) is a potent, competitive and selective **CRF_2 receptor** antagonist with **K_d** values of 1.4 nM and 153.6 nM for mouse $CRF_{2\beta}$ and rat CRF_1 receptors, respectively.

(D-Phe)-HLLRKMIEIEKQEKEKQQAANNRLLLDTI-NH2

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Antisauvagine-30 TFA

(aSvg-30 TFA) Cat. No.: HY-P1107A

Antisauvagine-30 TFA (aSvg-30 TFA) is a potent, highly selective and competitive **CRF_2 receptor** peptidic antagonist. Antisauvagine-30 TFA exhibits a **K_d** of 1.4 nM and 150 nM for mCRFR2β and CRFR1, respectively.

(D-Phe)-HLLRKMIEIEKQEKEKQQAANNRLLLDTI-NH2 (TFA salt)

Purity: 98.01%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg

Cortagine

Cat. No.: HY-P2287

Cortagine is a specific **corticotropin-releasing factor receptor subtype 1 (CRF1)** agonist with an **IC_{50}** of 2.6 nM for rCRF1. Cortagine is an anxiolytic and antidepressive drug in the mouse model.

(Gly)GPPISIDLSLELLREVLEMERAEQLAQQAANNRLLLDTA-NH_2

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

Corticotropin-releasing factor (human)

(Human CRF; Human corticotropin-releasing factor) Cat. No.: HY-P0086

Corticotropin-releasing factor human (Human CRF) stimulates the synthesis and secretion of adrenocorticotropin in the anterior pituitary.

SEEPPISLDLTFHLLREVLEMARAEQLAQQAHSNRKLMEI-NH_2

Purity: 98.44%
Clinical Data: No Development Reported
Size: 250 μg, 500 μg, 1 mg, 5 mg, 10 mg

Corticotropin-releasing factor (human) (acetate)

(Human CRF acetate; Human corticotropin-releasing factor acetate) Cat. No.: HY-P0086A

Corticotropin-releasing factor human acetate (Human CRF acetate) stimulates the synthesis and secretion of adrenocorticotropin in the anterior pituitary.

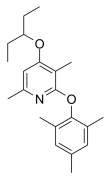
SEEPPISLDLTFHLLREVLEMARAEQLAQQAH-SNRKLMEI-NH_2 (acetate salt)

Purity: 98.25%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

CP 316311

Cat. No.: HY-14129

CP 316311 is a potent and selective **CRF1 receptor** antagonist with an **IC_{50}** value of 6.8 nM.

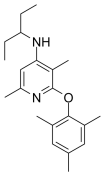


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

CP 376395

Cat. No.: HY-14130

CP 376395 is a potent and selective **Corticotropin releasing factor 1 (CRF1)** receptor antagonist.



Purity: 99.71%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

CRF(6-33)(human)

Cat. No.: HY-P1297

CRF(6-33)(human) is a **CRF binding protein (CRF-BP)** ligand inhibitor. CRF(6-33)(human) competitively binds the **CRF-BP** but not the post-synaptic CRF receptors. CRF(6-33)(human) has anti-obesity effect.

ISLDLTFHLLREVLEMARAEQLAQQAHS

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

CRF(6-33)(human) TFA

Cat. No.: HY-P1297A

CRF(6-33)(human) TFA is a **CRF binding protein (CRF-BP)** ligand inhibitor. CRF(6-33)(human) TFA competitively binds the **CRF-BP** but not the post-synaptic CRF receptors. CRF(6-33)(human) TFA has anti-obesity effect.

ISLDLTFHLLREVLEMARAEQLAQQAHS (TFA salt)

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

CRF, bovine

(Corticotropin Releasing Factor bovine) Cat. No.: HY-P1533

CRF, bovine is a potent agonist of **CRF receptor**, and displaces [^{125}I-Tyr]ovine CRF with a **K_i** of 3.52 nM.

SQEPPISLDLTFHLLREVLEMTKADQLAQQAHNNRKLLDIA-NH_2

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

CRF, bovine TFA

(Corticotropin Releasing Factor bovine TFA) Cat. No.: HY-P1533A

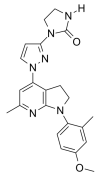
CRF, bovine (TFA) is a potent agonist of **CRF receptor**, and displaces [^{125}I-Tyr]ovine CRF with a K_i of 3.52 nM.

Purity: 96.50%
Clinical Data: No Development Reported
Size: 500 μg, 1 mg, 5 mg

Emicerfont

(GW876008) Cat. No.: HY-14367

Emicerfont is a corticotropin-releasing factor type 1 (CRF_1) receptor antagonist with an IC_{50} of 66 nM.



Purity: >98%
Clinical Data: Phase 2
Size: 1 mg, 5 mg

K41498

Cat. No.: HY-P1106

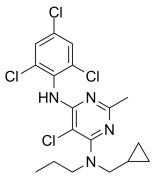
K41498 is a potent and highly selective **CRF2 receptor** antagonist with K_i values of 0.66 nM, 0.62 nM and 425 nM for human $CRF_{2\alpha}$, $CRF_{2\beta}$ and CRF_1 receptors respectively.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

NBI-27914

Cat. No.: HY-135542

NBI-27914 is a potent and selective antagonist of CRFR1. The CRF receptors, CRFR1 and CRFR2, are members of the G protein-coupled receptor superfamily.

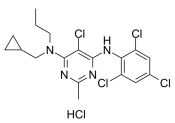


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

NBI-27914 hydrochloride

Cat. No.: HY-103376

NBI-27914 (hydrochloride) is a selective Corticotropin-Releasing Factor 1 (**CRF1**) receptor antagonist with a K_i value of 1.7 nM.

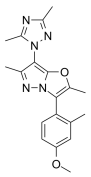


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

NVS-CRF38

Cat. No.: HY-12339

NVS-CRF38 is a novel corticotropin-releasing factor receptor 1 (CRF1) antagonist with low water solubility. IC50 value: Target: CRF1 antagonist.

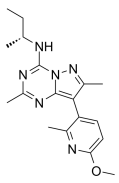


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Pexacerfont

(BMS-562086) Cat. No.: HY-12127

Pexacerfont is a selective corticotropin-releasing factor (CRF_1) receptor antagonist with IC_{50} of 6.1±0.6 nM for human CRF_1 receptor.

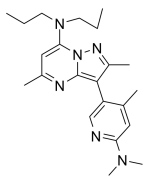


Purity: 99.97%
Clinical Data: Phase 3
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg

R121919

(NBI30775) Cat. No.: HY-14127

R121919 (NBI30775) is a potent small-molecule **CRF1** receptor antagonist with a K_i of 2 to 5 nM for the CRF1 receptor and over 1000-fold weaker activity at the CRF2 receptor, CRF-binding protein, or 70 other receptor types.



Purity: 99.84%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 1 mg, 5 mg, 10 mg, 25 mg, 50 mg

Sauvagine

Cat. No.: HY-P1298

Sauvagine, a 40-amino-acid neuropeptide from the skin of the frog, is a **mammalian CRF** agonist. Sauvagine is effective at releasing ACTH from rat pituitary cells. Sauvagine possesses a number of pharmacological actions on diuresis, the cardiovascular system and endocrine glands.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Sauvagine TFA

Cat. No.: HY-P1298A

Sauvagine TFA, a 40-amino-acid neuropeptide from the skin of the frog, is a **mammalian CRF** agonist. Sauvagine TFA is effective at releasing ACTH from rat pituitary cells.

Purity: 95.17%
Clinical Data: No Development Reported
Size: 5 mg

Urocortin II, human

Cat. No.: HY-P1752

Urocortin II (human) is a selective endogenous peptide agonist of **type-2 corticotropin-releasing factor (CRF2) receptor**. For investigating the role of the CRF (2) receptor in ingestive behavior.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Urocortin II, human TFA

Cat. No.: HY-P1752A

Urocortin II, human (TFA) is a selective endogenous peptide agonist of **type-2 corticotropin-releasing factor (CRF2) receptor**. For investigating the role of the CRF (2) receptor in ingestive behavior.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Urocortin III, mouse

Cat. No.: HY-P1858

Urocortin III, mouse is a corticotropin-releasing factor (**CRF**)-related peptide. Urocortin III preferentially binds and activates **CRF-R2**. Urocortin III (Ucn3) is a known component of the behavioral stress response system.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Urocortin III, mouse TFA

Cat. No.: HY-P1858A

Urocortin III, mouse TFA is a corticotropin-releasing factor (**CRF**)-related peptide. Urocortin III preferentially binds and activates **CRF-R2**. Urocortin III (Ucn3) is a known component of the behavioral stress response system.

Purity: 99.56%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

Urocortin, human (Urocortin (human); Human urocortin; Human urocortin 1; Human urocortin I)

Cat. No.: HY-P1295

Urocortin, human, a 40-aa neuropeptide, acts as a selective agonist of endogenous **CRF_2 receptor**, with **K_i**s of 0.4, 0.3, and 0.5 nM for $hCRF_1$, $rCRF_{2\alpha}$ and $mCRF_{2\beta}$, respectively.

Purity: 98.43%
Clinical Data: No Development Reported
Size: 500 μg, 1 mg, 5 mg

Urocortin, rat (Urocortin (Rattus norvegicus); Rat urocortin;)

Cat. No.: HY-P1296

Urocortin, rat (Urocortin (Rattus norvegicus)) is a neuropeptide and a potent endogenous **CRFR** agonist with **K_i**s of 13 nM, 1.5 nM, and 0.97 nM for **human CRF_1**, **rat $CRF_{2\alpha}$** and **mouse $CRF_{2\beta}$**, respectively.

Purity: >98%
Clinical Data: No Development Reported
Size: 500 μg, 1 mg, 5 mg

Urocortin, rat TFA (Urocortin (Rattus norvegicus) (TFA); Rat urocortin TFA)

Cat. No.: HY-P1296A

Urocortin, rat TFA (Urocortin (Rattus norvegicus) TFA) is a neuropeptide and a potent endogenous **CRFR** agonist with **K_i**s of 13 nM, 1.5 nM, and 0.97 nM for **human CRF_1**, **rat $CRF_{2\alpha}$** and **mouse $CRF_{2\beta}$**, respectively.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Urotensin I (Catostomus urotensin I)

Cat. No.: HY-P1542

Urotensin I (Catostomus urotensin I), a CRF-like neuropeptide, acts as an agonist of **CRF receptor** with **pEC_{50}**s of 11.46, 9.36 and 9.85 for human CRF_1, human CRF_2 and rat $CRF_{2\alpha}$ receptors in CHO cells, and **K_i**s of 0.4, 1.8, and 5.7 nM for $hCRF_1$, $rCRF_{2\alpha}$ and $mCRF_{2\beta}$ receptors, respectively.

Purity: >98%
Clinical Data: No Development Reported
Size: 500 μg, 1 mg, 5 mg

Urotensin I TFA (Catostomus urotensin I TFA)

Cat. No.: HY-P1542B

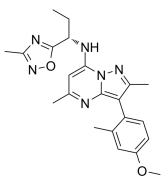
Urotensin I (Catostomus urotensin I) TFA, a CRF-like neuropeptide, acts as an agonist of **CRF receptor** with **pEC_{50}**s of 11.46, 9.36 and 9.85 for human CRF_1, human CRF_2 and rat $CRF_{2\alpha}$ receptors in CHO cells, and **K_i**s of 0.4, 1.8, and 5.7 nM for $hCRF_1$, $rCRF_{2\alpha}$ and...

Purity: 98.29%
Clinical Data: No Development Reported
Size: 500 μg

Verucerfont (GSK561679)

Cat. No.: HY-14875

Verucerfont is a **corticotropin-releasing factor receptor 1 (CRF1)** antagonist with **IC_{50}**s of ~6.1, >1000 and >1000nM for CRF1, CRF2, and CRF-BP, respectively.



Purity: 98.67%
Clinical Data: Phase 2
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

α-Helical CRF(9-41)

Cat. No.: HY-P1294

α-Helical CRF(9-41) is a competitive **CRF2 receptor** antagonist with K_B of ~100 nM. α-Helical CRF(9-41) is also a partial agonist of **CRF1 receptor** with an EC_{50} of 140 nM.

Purity: >98%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg

α-Helical CRF(9-41) TFA

Cat. No.: HY-P1294A

α-Helical CRF(9-41) TFA is a competitive **CRF2 receptor** antagonist with K_B of ~100 nM. α-Helical CRF(9-41) TFA is also a partial agonist of **CRF1 receptor** with an EC_{50} of 140 nM.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg