DAPK

Death associated protein kinase

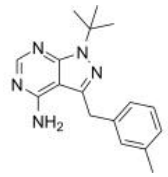
DAPK (Death-associated protein kinase) is the founding member of a newly classified family of Ser/Thr kinases, whose members not only possess significant homology in their catalytic domains, but also share cell death-associated functions. The realization that DAPk is a tumor suppressor gene, whose expression is lost in multiple tumor types, has spurred a flurry of interest in the kinase family and produced an impressive body of literature concerning its function, regulation, and connection to disease. The DAPk family has been linked to several cell death-related signaling pathways, and functions other than cell death have also been proposed.

DAPK Inhibitors

3MB-PP1

Cat. No.: HY-102069

3MB-PP1, a bulky purine analog, is a Polo-like kinase 1 (**Plk1**) inhibitor. 3MB-PP1 blocks mitotic progression and cell division arise through target Plk1 in in cells expressing analog-sensitive Plk1 alleles.



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

DAPK Substrate Peptide TFA

Cat. No.: HY-P1344A

DAPK Substrate Peptide TFA is a synthetic peptide substrate for death associated protein kinase (DAPK), with a K_m of 9 μM.

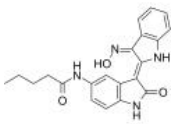
KKRPQRRYSNVF (TFA salt)

Purity: 99.33%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg

DRAK2-IN-1

Cat. No.: HY-122629

DRAK2-IN-1, compound 16, is a potent, selective and ATP-competitive **DRAK2** inhibitor with **IC_{50}**and **K_i**values of 3 nM and 0.26 nM, respectively. DRAK2-IN-1 also has inbitory effect on **DRAK1** (**IC_{50}**=51 nM).

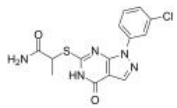


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

HS38

Cat. No.: HY-15847

HS38 is a potent, selective, and ATP-competitive inhibitor of **death-associated protein kinase 1 (DAPK1)** and **zipper-interacting protein kinase (ZIPK, also called DAPK3)**, with **K_d**s of 300 nM and 280 nM, respectively. HS38 is also a **PIM3** inhibitor with an **IC_{50}** of 200 nM.

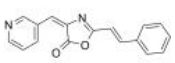


Purity: 98.01%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg, 25 mg

TC-DAPK 6

Cat. No.: HY-15513

TC-DAPK 6 is a potent, ATP-competitive, and highly selective **DAPK** inhibitor (**IC_{50}**=69 and 225 nM against **DAPK1** and **DAPK3**, respectively, with 10 μM ATP).

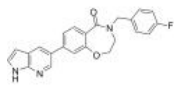


Purity: 95.03%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 10 mg, 50 mg

TNIK-IN-3

Cat. No.: HY-145293

TNIK-IN-3 is a potent, selective and orally active inhibitor of **Traf2- and Nck-interacting protein kinase (TNIK)**, with an **IC_{50}** of 0.026 μM. TNIK-IN-3 could also inhibit **Flt4** (**IC_{50}**=0.030 μM), **Flt1** (**IC_{50}**=0.191 μM) and **DRAK1** (**IC_{50}**=0.411 μM).



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