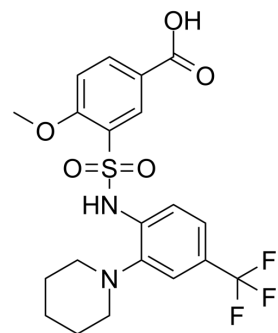


ERAP2-IN-1

Cat. No.:	HY-150504		
CAS No.:	2420551-38-6		
Molecular Formula:	C ₂₀ H ₂₁ F ₃ N ₂ O ₅ S		
Molecular Weight:	458.45		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (545.32 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.1813 mL	10.9063 mL	21.8126 mL
5 mM	0.4363 mL	2.1813 mL	4.3625 mL
10 mM	0.2181 mL	1.0906 mL	2.1813 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (4.54 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (4.54 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ERAP2-IN-1 (compound 61) is an uncompetitive ERAP2 inhibitor. ERAP2-IN-1 specifically inhibits the ERAP2 peptide hydrolysis activity, inhibiting Arg-AMC hydrolysis with an IC₅₀ of 27 μM and model peptide hydrolysis with an IC₅₀ of 44 μM^[1].

REFERENCES

- [1]. Arya R, et al. Phenylsulfamoyl Benzoic Acid Inhibitor of ERAP2 with a Novel Mode of Inhibition. ACS Chem Biol. 2022 Jun 29.

Caution: Product has not been fully validated for medical applications. For research use only.

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