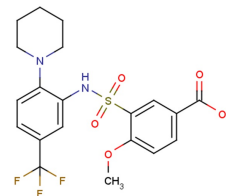


ERAP1-IN-1

Chemical Properties

CAS No.:	865273-97-8
Formula:	C ₂₀ H ₂₁ F ₃ N ₂ O ₅ S
Molecular Weight:	458.45
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ERAP1-IN-1 competitively inhibits ERAP1 activity towards a nonamer peptide representative of physiological substrates. ERAP1-IN-1 is an endoplasmic reticulum aminopeptidase 1 (ERAP1) inhibitor.
Targets(IC ₅₀)	ERAP1: None
In vitro	ERAP1-IN-1 (50 µM) exhibits specific inhibition of ERAP1 in the cellular context. ERAP1-IN-1 allosterically activates ERAP1's hydrolysis of fluorogenic and chromogenic amino acid substrates.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.181 mL	10.906 mL	21.813 mL
5 mM	0.436 mL	2.181 mL	4.363 mL
10 mM	0.218 mL	1.091 mL	2.181 mL
50 mM	0.044 mL	0.218 mL	0.436 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Maben Z, et al. Discovery of Selective Inhibitors of Endoplasmic Reticulum Aminopeptidase 1. J Med Chem. 2019 Dec 30.

Inhibitors · Natural Compounds · Compound Libraries

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