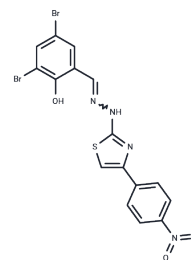


ThrRS-IN-2

Chemical Properties

CAS No. :	468750-19-8
Formula:	C ₁₆ H ₁₀ Br ₂ N ₄ O ₃ S
Molecular Weight:	498.15
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	ThrRS-IN-2 is an inhibitor of threonyl-tRNA synthetase (ThrRS), exhibiting an inhibition concentration (IC ₅₀) value of 56.5 ± 3.5 μM.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0074 mL	10.0371 mL	20.0743 mL
5 mM	0.4015 mL	2.0074 mL	4.0149 mL
10 mM	0.2007 mL	1.0037 mL	2.0074 mL
50 mM	0.0401 mL	0.2007 mL	0.4015 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Rybak MY, et al. Rational Design of Hit Compounds Targeting Staphylococcus aureus Threonyl-tRNA Synthetase. ACS Omega. 2021 Sep 16;6(38):24910-24918.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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