

HAPSBC

Chemical Properties

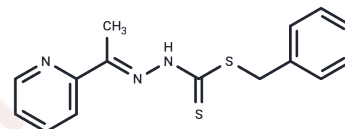
CAS No. : 1376545-81-1

Formula: C₁₅H₁₅N₃S₂

Molecular Weight: 301.43

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	HAPSBC is a potent iron chelator of the aromatic hydrazide class with high binding affinity. It induces cellular stress by depriving cells of essential iron, used in cancer metabolism and iron overload research.
Targets(IC50)	Others
In vitro	HAPSBC is a lipophilic iron chelator that induces concentration-dependent iron efflux, depriving tumor cells of iron and exerting cytotoxicity [1].

Solubility Information

Solubility	DMSO: 160 mg/mL (530.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3175 mL	16.5876 mL	33.1752 mL
5 mM	0.6635 mL	3.3175 mL	6.635 mL
10 mM	0.3318 mL	1.6588 mL	3.3175 mL
50 mM	0.0664 mL	0.3318 mL	0.6635 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

Amezcuva Valdovinos I, Perez Diaz J A, Garcia Villalba L J, et al. BATCP: Bandwidth-aggregation transmission control protocol[J]. Symmetry, 2017, 9(8): 167.

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