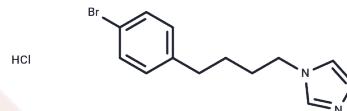


Heme Oxygenase-1-IN-1 hydrochloride

Chemical Properties

CAS No. :	1092851-70-1
Formula:	C13H16BrClN2
Molecular Weight:	315.64
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	HO-1-IN-1 hydrochloride is a heme oxygenase 1 (HO-1) inhibitor (IC50: 250 nM).
Targets(IC50)	Others, Reactive Oxygen Species

Solubility Information

Solubility	DMSO: 125 mg/mL (396.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (10.45 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1682 mL	15.8408 mL	31.6817 mL
5 mM	0.6336 mL	3.1682 mL	6.3363 mL
10 mM	0.3168 mL	1.5841 mL	3.1682 mL
50 mM	0.0634 mL	0.3168 mL	0.6336 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

Floresta G, et al. Development of new HO-1 inhibitors by a thorough scaffold-hopping analysis. Bioorg Chem. 2018 Dec;81:334-339.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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