

Heme Oxygenase-1-IN-1

Chemical Properties

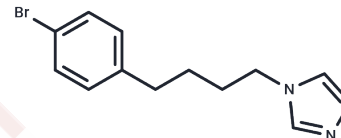
CAS No. : 1093058-52-6

Formula: C₁₃H₁₅BrN₂

Molecular Weight: 279.18

Appearance: no data available

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Heme Oxygenase-1-IN-1 (HO-1-IN-1) is a heme oxygenase 1 (HO-1) inhibitor (IC ₅₀ : 250 nM).
Targets(IC ₅₀)	Reactive Oxygen Species

Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble) DMSO: 125 mg/mL (447.74 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	3.5819 mL	17.9096 mL	35.8192 mL
5 mM	0.7164 mL	3.5819 mL	7.1638 mL
10 mM	0.3582 mL	1.791 mL	3.5819 mL
50 mM	0.0716 mL	0.3582 mL	0.7164 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.

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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