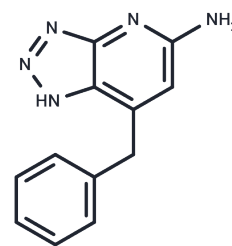


MPO-IN-4

Chemical Properties

CAS No. :	2088545-68-8
Formula:	C ₁₂ H ₁₁ N ₅
Molecular Weight:	225.25
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	MPO-IN-4 (compound 12) is a potent and selective myeloperoxidase (MPO) inhibitor with an IC ₅₀ of 25 nM and also demonstrates inhibition of thyroid peroxidase (TPO) with an IC ₅₀ of 2.2 μM. MPO-IN-4 has no effect on methyl guanine methyl transferase (MGMT) [1].
Targets(IC ₅₀)	Others, Glutathione Peroxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4395 mL	22.1976 mL	44.3951 mL
5 mM	0.8879 mL	4.4395 mL	8.879 mL
10 mM	0.444 mL	2.2198 mL	4.4395 mL
50 mM	0.0888 mL	0.444 mL	0.8879 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481