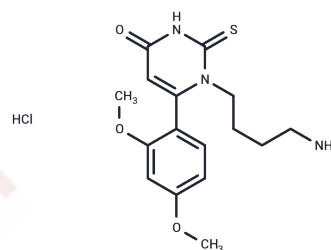


MPO-IN-3

Chemical Properties

CAS No. : 1435469-45-6
 Formula: C₁₆H₂₂ClN₃O₃S
 Molecular Weight: 371.88
 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-3, a powerful inhibitor of myeloperoxidase (MPO), is described as such in example 191 of WO2013068875A1. MPO, a heme-containing enzyme, is classified under the peroxidase superfamily.
Targets(IC50)	Others, Glutathione Peroxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.689 mL	13.4452 mL	26.8904 mL
5 mM	0.5378 mL	2.689 mL	5.3781 mL
10 mM	0.2689 mL	1.3445 mL	2.689 mL
50 mM	0.0538 mL	0.2689 mL	0.5378 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

Philip Albert Carpino, et al. 2-thiopyrimidinones. WO2013068875A1.

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