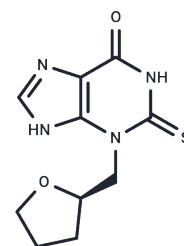


AZD5904

Chemical Properties

CAS No. : 618913-30-7
Formula: C₁₀H₁₂N₄O₂S
Molecular Weight: 252.29
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	AZD5904 is a potent and irreversible inhibitor of human Myeloperoxidase (MPO, IC ₅₀ : 140 nM) which has similar potency in mouse and rat.
Targets(IC ₅₀)	Glutathione Peroxidase
In vitro	In isolated human neutrophils, 1 μ M AZD5904 inhibits PMA stimulated HOCl by >90%[1]. It is 10 to 19-fold selective compare to the closely related lactoperoxidase and thyroid peroxidase. For a broad panel of other enzymes, ion channels, and receptors, is higher than >70-fold.

Solubility Information

Solubility	DMSO: 65 mg/mL (257.64 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	3.9637 mL	19.8185 mL	39.6369 mL
5 mM	0.7927 mL	3.9637 mL	7.9274 mL
10 mM	0.3964 mL	1.9818 mL	3.9637 mL
50 mM	0.0793 mL	0.3964 mL	0.7927 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

Myeloperoxidase (MPO) inhibitor.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481