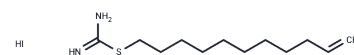


Isothiuronium

Chemical Properties

CAS No. :	22584-04-9
Formula:	C ₁₂ H ₂₅ IN ₂ S
Molecular Weight:	356.31
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	Isothiuronium (AHR 1911) is a protein synthesis inhibitor with antimicrobial and anti-inflammatory activity that induces apoptosis and reduces melanoma cell invasion, and can be used in dermatitis research.
Targets(IC50)	Others,Antibiotic,Histamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8065 mL	14.0327 mL	28.0654 mL
5 mM	0.5613 mL	2.8065 mL	5.6131 mL
10 mM	0.2807 mL	1.4033 mL	2.8065 mL
50 mM	0.0561 mL	0.2807 mL	0.5613 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

- Pucko E, et al. Potent Antitumour Effects of Novel Pentabromobenzylisothioureas Studied on Human Glial-derived Tumour Cell Lines. *Anticancer Res.* 2018 May;38(5):2691-2705.
- Castardo-de-Paula JC, et al. Cardiovascular risk and the effect of nitric oxide synthase inhibition in female rats: The role of estrogen. *Exp Gerontol.* 2017 Oct 15;97:38-48.
- Ferreira M, et al. Allylic isothiuronium salts: The discovery of a novel class of thiourea analogues with antitumor activity. *Eur J Med Chem.* 2017 Mar 31;129:151-158.
- Tong S, et al. Isothiuronium modification empowers pyrimidine-substituted curcumin analogs potent cytotoxicity and Golgi localization. *Eur J Med Chem.* 2016 Nov 10;123:849-857.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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