

Decane, 1,10-diiodo-

Chemical Properties

CAS No. : 16355-92-3

Formula: C₁₀H₂₀I₂

Molecular Weight: 394.07

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	Decane, 1,10-diiodo- is used as a crosslinking reagent for tetrabutylammonium polygalacturonic acid and as an alkylating agent in the synthesis of symmetrical and unsymmetrical bis-cryptophanes. It is also used to produce decane at temperature of 20°C.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5376 mL	12.6881 mL	25.3762 mL
5 mM	0.5075 mL	2.5376 mL	5.0752 mL
10 mM	0.2538 mL	1.2688 mL	2.5376 mL
50 mM	0.0508 mL	0.2538 mL	0.5075 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

- Maharramov AM, Bayramov MR, Mehdiyeva GM, Hoseinzadeh SB, Rashidov BA. 1,10-Bis[2-(prop-1-en-yl)phenoxy]deca-ne. Acta Crystallogr Sect E Struct Rep Online. 2012 Feb 1;68(Pt 2):o266. doi: 10.1107/S1600536811055061. Epub 2012 Jan 7. PubMed PMID: 22346910; PubMed Central PMCID: PMC3274965.
- Pang YP, Singh SK, Gao Y, Lassiter TL, Mishra RK, Zhu KY, Brimijoin S. Selective and irreversible inhibitors of aphid acetylcholinesterases: steps toward human-safe insecticides. PLoS One. 2009;4(2):e4349. doi: 10.1371/journal.pone.0004349. Epub 2009 Feb 4. PubMed PMID: 19194505; PubMed Central PMCID: PMC2632757.
- Iwan A, Kaczmarczyk B, Jarzabek B, Jurusik J, Domanski M, Michalak M. Influence of long-chain aliphatic dopants on the spectroscopic properties of polyketimine containing 3,8-diamino-6-phenylphenanthridine and ethylene linkage in the main chain. Noncovalent interaction: proton transfer, hydrogen and halogen bonding. J Phys Chem A. 2008 Aug 21;112(33):7556-66. doi: 10.1021/jp8019304. Epub 2008 Jul 31. PubMed PMID: 18666767.
- Trimukhe KD, Bachate S, Gokhale DV, Varma AJ. Metal complexes of crosslinked chitosans Part II. An investigation of their hydrolysis to chitoooligosaccharides using chitosanase. Int J Biol Macromol. 2007 Dec 1;41(5):491-6. Epub 2007 Jun 30. PubMed PMID: 17673286.

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: 34 Washington Street, Wellesley Hills, MA 02481