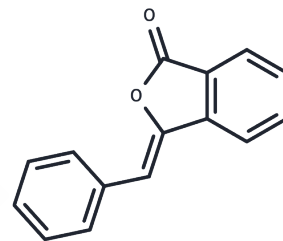


Benzaldehyde

Chemical Properties

CAS No. :	575-61-1
Formula:	C ₁₅ H ₁₀ O ₂
Molecular Weight:	222.24
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	Benzaldehyde (NSC-2824) is a chemical compound with anti-HIV activity.
Targets(IC50)	Others,HIV Protease

Solubility Information

Solubility	DMSO: 60 mg/mL (269.98 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (11.25 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4996 mL	22.4982 mL	44.9964 mL
5 mM	0.8999 mL	4.4996 mL	8.9993 mL
10 mM	0.450 mL	2.2498 mL	4.4996 mL
50 mM	0.090 mL	0.450 mL	0.8999 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

Bedoya LM, et al. Anti-HIV activity of stilbene-related heterocyclic compounds. *Bioorg Med Chem Lett*. 2006 Aug 1; 16(15):4075-9. Epub 2006 May 18.

Ganji SH, Karigar CS, Pujar BG. Metabolism of benzalphthalide by *Pseudomonas* sp. *World J Microbiol Biotechnol*. 1993 Sep;9(5):597-8.

Ganji SH, Pujar BG. Bacterial degradation of benzalphthalide. *World J Microbiol Biotechnol*. 1992 May;8(3):324-5.

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