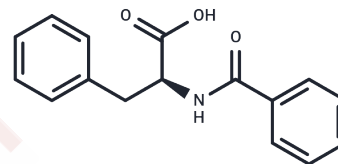


Benzoylphenylalanine

Chemical Properties

CAS No. :	2566-22-5
Formula:	C ₁₆ H ₁₅ NO ₃
Molecular Weight:	269.3
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	Benzoylphenylalanine (LBPA) can be used as a photoaffinity peptide inactivator.
Targets(IC50)	Others, Carboxypeptidase

Solubility Information

Solubility	DMSO: 55 mg/mL (204.23 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.43 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	3.7133 mL	18.5667 mL	37.1333 mL
5 mM	0.7427 mL	3.7133 mL	7.4267 mL
10 mM	0.3713 mL	1.8567 mL	3.7133 mL
50 mM	0.0743 mL	0.3713 mL	0.7427 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

- Cooley RB, Sondermann H. Probing Protein-Protein Interactions with Genetically Encoded Photoactivatable Cross-Linkers. *Methods Mol Biol.* 2017;1657:331-345.
- Westhoff M, et al. Photo-Cross-Linking of I(Ks) Demonstrates State-Dependent Interactions between KCNE1 and KCNQ1. *Biophys J.* 2017 Jul 25;113(2):415-425.
- Brofelth M, et al. Site-specific photocoupling of pBpa mutated scFv antibodies for use in affinity proteomics. *Biochim Biophys Acta.* 2017 Aug;1865(8):985-996.
- Rujas E, et al. Peripheral Membrane Interactions Boost the Engagement by an Anti-HIV-1 Broadly Neutralizing Antibody. *J Biol Chem.* 2017 Mar 31;292(13):5571-5583.

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