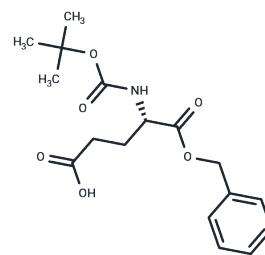


Boc-Glu-OBzl

Chemical Properties

CAS No. :	30924-93-7
Formula:	C ₁₇ H ₂₃ N ₁ O ₆
Molecular Weight:	337.37
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Boc-Glu-OBzl is an amino acid building block. It has been used in the synthesis of peptide-based inhibitors of human caspases and human rhinovirus (HRV) 3C protease that have enzyme inhibitory activity in vitro.
Targets(IC50)	Amino Acids and Derivatives

Solubility Information

Solubility	Ethanol: 30 mg/mL (88.92 mM), Sonication is recommended. DMF: 5 mg/mL (14.82 mM), Sonication is recommended. DMSO: 10 mg/mL (29.64 mM), Sonication is recommended. Ethanol:PBS (pH 7.2) (1:5): 0.16 mg/mL (0.47 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9641 mL	14.8205 mL	29.641 mL
5 mM	0.5928 mL	2.9641 mL	5.9282 mL
10 mM	0.2964 mL	1.4821 mL	2.9641 mL
50 mM	0.0593 mL	0.2964 mL	0.5928 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

Garcia-Calvo, M., Peterson, E.P., Leiting, B., et al. Inhibition of human caspases by peptide-based and macromolecular inhibitors. *J. Biol. Chem.* 273(49):32608-32613(1998)

Dragovich, P.S., Webber, S.E., Babine, R.E., et al. Structure-based design, synthesis, and biological evaluation of irreversible human rhinovirus 3C protease inhibitors. 2. peptide structure-activity studies. *J. Med. Chem.* 41(15):2819-2934(1998)

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