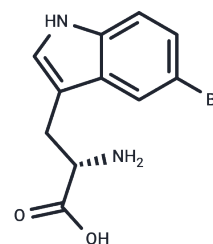


## L-5-BromoTryptophan

## Chemical Properties

CAS No. :	25197-99-3
Formula:	C <sub>11</sub> H <sub>11</sub> BrN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	283.12
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	L-5-BromoTryptophan (5-BrW) is an analog of the tryptophan (Trp) effector and inhibits the gelation of hemoglobin S.
Targets(IC50)	Others,Amino Acids and Derivatives,Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (97.13 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5321 mL	17.6604 mL	35.3207 mL
5 mM	0.7064 mL	3.5321 mL	7.0641 mL
10 mM	0.3532 mL	1.766 mL	3.5321 mL
50 mM	0.0706 mL	0.3532 mL	0.7064 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

- Kwon I, Tirrell DA. Site-specific incorporation of tryptophan analogues into recombinant proteins in bacterial cells. *J Am Chem Soc.* 2007 Aug 29;129(34):10431-7. Epub 2007 Aug 8
- De Croos PZ, et al. Hemoglobin S antigelation agents based on 5-bromotryptophan with potential for sickle cell anemia. *J Med Chem.* 1990 Dec;33(12):3138-42.

**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