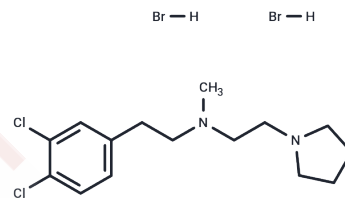


## BD 1008 dihydrobromide

### Chemical Properties

CAS No. : 138356-09-9  
 Formula: C<sub>15</sub>H<sub>24</sub>Br<sub>2</sub>Cl<sub>2</sub>N<sub>2</sub>  
 Molecular Weight: 463.08  
 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	BD 1008 dihydrobromide is a selective antagonist of the sigma 1 ( $\sigma_1$ ) receptor ( $K_i = 2$ nM). BD 1008 dihydrobromide have high affinity for sigma1 receptors, moderate affinity for sigma2 receptors.
Targets(IC50)	Sigma receptor

### Solubility Information

Solubility	DMSO: 32.5 mg/mL (70.18 mM),Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	------------------------------------------------------------------------------------------------------------------------------

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1595 mL	10.7973 mL	21.5945 mL
5 mM	0.4319 mL	2.1595 mL	4.3189 mL
10 mM	0.2159 mL	1.0797 mL	2.1595 mL
50 mM	0.0432 mL	0.2159 mL	0.4319 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

Garcés-Ramírez L, et al. Sigma receptor agonists: receptor binding and effects on mesolimbic dopamine neurotransmission assessed by microdialysis. Biol Psychiatry. 2011 Feb 1;69(3):208-17.

**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