

**PRODUCT: BD 1047 dihydrobromide****ALTERNATE NAME:** N-[2-(3,4-Dichlorophenyl)ethyl]-N-methyl-2-(dimethylamino)ethylamine dihydrobromide**CATALOG #:** B1069-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>13</sub>H<sub>20</sub>Cl<sub>2</sub>N<sub>2</sub>·2HBr**MOLECULAR WEIGHT:** 437.04**CAS NUMBER:** 138356-21-5**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>20 mg/ml) or H<sub>2</sub>O (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and moisture**DESCRIPTION:** BD1047 is a potent and selective Sigma-1 Receptor antagonist. BD-1047 has >50-fold selectivity at σ<sub>1</sub> over σ<sub>2</sub> and also >100-fold selectivity over opiate, phencyclidine, muscarinic, dopamine, α<sub>1</sub>- & α<sub>2</sub>-adrenoceptor, 5-HT<sub>1</sub>, and 5-HT<sub>2</sub>.**REFERENCES:** Matsumoto, P.R., *et al.* (1995). *Eur. J. Pharmacol.* **280**, 301-310.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**2-Methyl-5-hydroxytryptamine HCl (**2768**)5-Hydroxytryptamine Receptor 1A Antibody (**A1059**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**