

PRODUCT: TBPB**ALTERNATE NAME:** 3-[1-[1-[(2-methylphenyl)methyl]piperidin-4-yl]piperidin-4-yl]-1H-benzimidazol-2-one**CATALOG #:** B1041-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₅H₃₂N₄O**MOLECULAR WEIGHT:** 404.55**CAS NUMBER:** 634616-95-8**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (>5 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** TBPB is a highly selective allosteric Muscarinic M1 agonist (EC₅₀ = 289 nM). TBPB increases non-amyloidogenic APP processing and produces antipsychotic-like effects in rodent models predictive of antipsychotic-like activity.**REFERENCES:** Jones, C.K., *et al.* (2008). *J. Neurosci.* **28**, 10422-10433.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

ADX-47273 (Cat. No. 9562-10, 50)

Congo Red (Cat. No. 2588-100 500)

Evans Blue Tetrasodium (Cat. No. 2586-1G)

Kainic acid (Cat. No. 2279-5, 25)

LY404187 (Cat. No. 2698-5, 25)

LY-341495 (Cat. No. 2875-1,5)

Rose Bengal (Cat. No. 2587-100, 500)

USAGE: *FOR RESEARCH CH USE ONLY! Not to be used in humans*