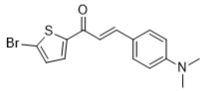


Product Name	: TB5	
Synonyms	: TB5, TB 5, TB-5	
Cat No.	: M17687	
CAS Number	: 948841-07-4	
Molecular Formula	: C ₁₅ H ₁₄ BrNOS	
Formula Weight	: 336.25	
Chemical Name	: (2E)-1-(5-bromothiophen-2-yl)-3-[4-(dimethylamino)phenyl]prop-2-en-1-one	
Description	TB5 is a MAO-B inhibitor. TB5 showed the inhibitory activity and selectivity toward hMAO-B, with K _i and S _i values of 0.11±0.01µm and 13.18, respectively. TB5 was found to be nontoxic at 5 and 25µm, with 95.75 and 84.59% viability among cells, respectively.	
Pathway	: Others	
Target	: Other Targets	
Receptor	: hMAO-B	
Solubility	: —	
SMILES	<chem>CN(C)c1ccc(cc1)/C=C/C(=O)c1ccc(s1)Br</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Mathew B, et al. Synthesis, Biochemistry, and Computational Studies of Brominated Thienyl Chalcones: A New Class of Reversible MAO-B Inhibitors. ChemMedChem. 2016 Jun 6;11(11):1161-71.