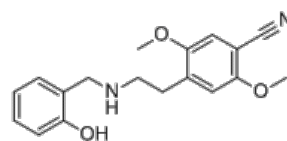


Product Name : 25CN-NBOH
Synonyms : 25CN NBOH
Cat No. : M11623
CAS Number : 1391489-32-9
Molecular Formula : C₁₈H₂₀N₂O₃
Formula Weight : 312.37
Chemical Name : 2-([2-(4-cyano-2,5-dimethoxyphenyl) ethylamino]methyl)phenol



Description : A potent, highly selective and brain-penetrant 5-HT_{2A} receptor agonist with K_i of 1.1 nM ([³H]ketanserin); >100-fold over 5-HT_{2CR} and 46-fold selectivity over 5-HT_{2BR}; exhibits 30- to 180-fold 5-HT_{2A}/5-HT_{2C} selectivities and 54-fold 5-HT_{2A}/5-HT_{2B} selectivity in inositol phosphate and intracellular Ca²⁺ mobilization assays; is a superior selective and brain-penetrant 5-HT_{2A} receptor agonist compared with (±)-2,5-dimethoxy-4-iodoamphetamine (DOI).

Pathway : Endocrinology/Hormones

Target : 5-HT Receptor

Receptor : 5-HT Receptor

Solubility : —

SMILES : COC1=CC(=C(C=C1CCNCC2=CC=CC=C2O)OC)C#N.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Jensen AA, et al. J Pharmacol Exp Ther. 2017 Jun;361(3):441-453. | 2. Fantegrossi WE, et al. Psychopharmacology (Berl). 2015 Mar;232(6):1039-47. | 3. Halberstadt AL, et al. Neuropharmacology. 2016 Aug;107:364-375. | 4. Hansen M, et al. ACS Chem Neurosci. 2014 Mar 19;5(3):243-9.