

Product Name : Tetrahydroberberine

Synonyms : —

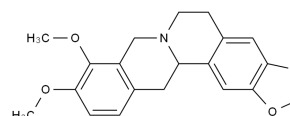
Cat No. : M14848

CAS Number : 522-97-4

Molecular Formula : C₂₀H₂₁O₄N

Formula Weight : 339.39

Chemical Name : —



Description : Tetrahydroberberine is an isoquinoline alkaloid isolated from corydalis tuber; has micromolar affinity for dopamine D(2) (pK_i = 6.08) and 5-HT(1A) (pK_i = 5.38) receptors but moderate to no affinity for other relevant serotonin receptors (5-HT(1B), 5-HT(1D), 5-HT(3), and 5-HT(4); pK_i < 5.00).

Pathway : Endocrinology/Hormones

Target : 5-HT Receptor

Receptor : 5-HT; Dopamine

Solubility : DMSO: 10 mM

SMILES : COC1=C(OC)C2=C(CC3N(CCC4=CC5=C(OCO5)C=C34)C2)C=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Pingali S, et al. Acta Crystallogr C Struct Chem. 2015 Apr;71(Pt 4):262-5.