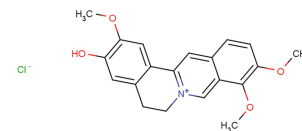


Catalog Number: CM05019

产品信息

Catalog Number:
CM05019CAS号:
6681-15-8分子式:
 $C_{20}H_{20}ClNO_4$ 主要靶点:
5-HT
Receptor|OCT|Antibacterial|AChE|Others主要通路:
G蛋白偶联受体|离子通道|神经科
学|微生物学|其他分子量:
373.8溶解度:
DMSO:5 mg/mL (13.38 mM)

靶点活性

AChE:872 nM (IC50)

体外活性

Organic cation transporters (OCTs) and the plasma membrane monoamine transporter (PMAT) are major uptake-2 transporters. Jatrorrhizine chloride significantly inhibits the PMAT-mediated MPP+ uptake in a concentration-dependent manner (IC50: 1.05 μ M). Jatrorrhizine chloride demonstrates a more powerful inhibition on 5-HT and norepinephrine (NE) uptake mediated by hOCT2 and hOCT3 than that mediated by PMAT.

描述

Jatrorrhizine chloride (Neprotine chloride) is a potent and orally active uptake-2 transporter inhibitor. It exhibits a critical neuroprotective role in H2O2-induced apoptosis via inhibition of the MAPK pathway in HT22 hippocampal neurons.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years