

Catalog Number: CM19342

产品信息

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CM19342

CAS号:
134296-40-5

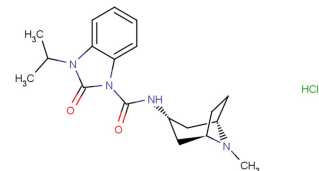
分子式:
C₁₉H₂₇ClN₄O₂

主要靶点:
5-HT Receptor

主要通路:
神经科学|G蛋白偶联受体

分子量:
378.9

溶解度:
DMSO:45 mg/mL (118.76 mM)



体外活性

BIMU 8 (0.003-0.1 μM) increases excitatory postsynaptic potentials amplitude without changing the membrane potential of any neuron in myenteric neurons of guinea pig ileum[1].

体内活性

BIMU 8 (20-30 mg/kg s.c. and 60 mg/kg p.o. in mice; 20 mg/kg i.p. in rats), produces significant antinociception. In mice, BIMU 8 (10 μg; i.c.v) which is largely ineffective by parenteral routes induces antinociception[2].

描述

BIMU 8 is a selective agonist of 5-HT₄ with EC₅₀s of 18 nM, 77 nM, and 540 nM for wild-type 5HT₄ receptor, T3.36A, and W6.48A mutant 5-HT₄.

储存

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