Nomifensine maleate, norepinephrine-dopamine reuptake inhibitor ab146004

Overview

Product name  Nomifensine maleate, norepinephrine-dopamine reuptake inhibitor

Description  Potent norepinephrine-dopamine reuptake inhibitor. Antidepressant.

Biological description  Potent inhibitor of norepinephrine and dopamine uptake (Ki values are 4.7, 26 and 4000 nM for inhibition of norepinephrine, dopamine and 5-HT uptake respectively in rat brain). Increases central dopamine levels in rats following systemic administration. Interacts with the dopamine transporter at a site different from that of cocaine. Antidepressant.

Purity  > 98%

CAS Number  32795-47-4

Chemical structure

![Chemical structure](image)

Chemical name  2-Methyl-4-phenyl-1,2,3,4-tetrahydroisoquinolin-8-amine maleate

Molecular weight  354.40

Molecular formula  C_{16}H_{18}N_{2}.C_{4}H_{4}O_{4}

PubChem identifier  5358907

Storage instructions  Store at +4°C. The product can be stored for up to 12 months.

Solubility overview  Soluble in DMSO to 100 mM

Handling  Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES  CN1CC(C2=C(C1)C(=CC=C2)N)C3=CC=CC=C3.C(=C\(\text{C}(=O)O)\)C(=O)O
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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