Product Name: Sunifiram
CAS No.: 314728-85-3
Cat. No.: HY-17550
MWT: 246.30
Formula: C14H18N2O2
Purity: >98%

Solubility: Water 24 mg/ml

Mechanisms:
Pathways: Others; Target: Others

Biological Activity:
Sunifiram (DM-235) is a piperazine derived ampakine-like drug which has nootropic effects in animal studies with significantly higher potency than piracetam.

IC50 value:
Target:
in vitro: DM 232 and DM 235 are novel antiamnesic compounds structurally related to ampakines. The involvement of AMPA receptors in the mechanism of action of DM 232 and DM 235 was, therefore, investigated in vivo and in vitro. Both compounds (0.1 mg/kg i.p.) were able to reverse the amnesia induced by the AMPA receptor antagonist NBQX (30 mg/kg i.p.) in the mouse passive avoidance test. At the effective doses, the investigated compounds did not impair motor coordination, as revealed by the rota rod test, nor modify spontaneous motility and inspection activity, as revealed by the hole board test [1]. In mouse hippocampal slices, sunifiram at 10-100 nM significantly enhanced LTP in a bell...

References:

Caution: Not fully tested. For research purposes only

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