

Product Datasheet

MRK-016 (orb2893738)

Catalog Number	orb2893738
Category	Small Molecules
Description	MRK-016 is a selective GABAA $\alpha 5$ receptor inverse agonist/ negative allosteric modulator, (IC ₅₀ =3 nM) with the advantages of being orally available and penetrating the blood-brain barrier. MRK-016 increases long time period potentiation (LTP) in mouse hippocampal slices, with memory-improvement, antidepressant, and pain-treating effects.
Target	GABA Receptor
Purity	99.76%
MW	368.39
CAS Number	342652-67-9
Formula	C ₁₇ H ₂₀ N ₈ O ₂
SMILES	<chem>N=1N=C(C2=NOC(=C2)C)N3N=C(OCC4=NC=NN4C)C(=C3C1)C(C)(C)C</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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