

## Product Datasheet

### 1-(1-Naphthyl)piperazine (orb3174259)

<b>Catalog Number</b>	orb3174259
<b>Category</b>	Small Molecules
<b>Description</b>	1-(1-Naphthyl)piperazine is a modulator of 5-HT receptors, acting both as a 5-HT <sub>2A</sub> receptor antagonist and a 5-HT <sub>1A</sub> receptor agonist, with a human 5-HT <sub>6</sub> receptor binding constant (K <sub>i</sub> ) of 120 nM. It partially inhibits forskolin-stimulated adenylate cyclase activity in bovine substantia nigra and can suppress UV radiation-induced immunosuppression. Additionally, 1-(1-Naphthyl)piperazine induces S-phase cell cycle delay, apoptosis, and increases reactive oxygen species (ROS) levels, leading to the inhibition of MNT-1 cell proliferation. This compound is utilized in melanoma research.
<b>Target</b>	AChR,5-HT Receptor,ROS,Apoptosis
<b>MW</b>	212.3
<b>CAS Number</b>	57536-86-4
<b>Formula</b>	C <sub>14</sub> H <sub>16</sub> N <sub>2</sub>
<b>SMILES</b>	<chem>C=1C=CC2=C(C1)C=CC=C2N3CCNCC3</chem>
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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