

## Product Information

### NSI-189, Purity ≥98%

**Cat. No.:** X24-09-YM1242

**Size:** 5 mg; 10 mg; 25 mg; 50 mg

**MDL:** MFCD26959792

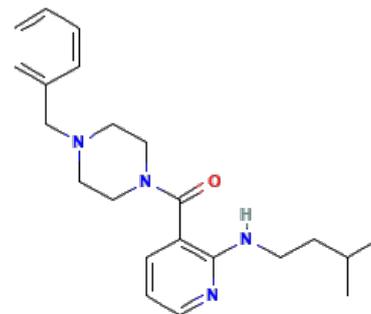
**CAS Number:** 1270138-40-3

**Compound CID:** 50922681

**Synonym:** 1270138-40-3; NSI189; NSI 189;

(4-Benzylpiperazin-1-yl)-[2-(3-methylbutylamino)pyridin-3-yl]methanone

**This product is for research use only and is not intended for diagnostic use.**



### Product Information

<b>Description</b>	NSI-189, soluble in DMSO and ethanol and insoluble in water, is a nootropic and neurogenic research chemical derived from nicotinamide and pyrazine. The molecular weight of the compound is 366.5, and its molecular formula is C <sub>22</sub> H <sub>30</sub> N <sub>4</sub> O.
<b>Molecular Weight</b>	366.5
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>30</sub> N <sub>4</sub> O
<b>IUPAC Name</b>	(4-Benzylpiperazin-1-yl)-[2-(3-methylbutylamino)pyridin-3-yl]methanone
<b>InChI</b>	InChI=1S/C22H30N4O/c1-18(2)10-12-24-21-20(9-6-11-23-21)22(27)26-15-13-25(14-16-26)17-19-7-4-3-5-8-19/h3-9,11,18H,10,12-17H2,1-2H3,(H,23,24)
<b>InChI Key</b>	DYTOQURYRYYNOR-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(C)CCNC1=C(C=CC=N1)C(=O)N2CCN(CC2)CC3=CC=CC=C3
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Solubility</b>	<i>In vitro</i> : DMSO: 72 mg/mL (196.45 mM); Water: insoluble; Ethanol: 72 mg/mL (196.45 mM)
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	NSI-189 can be studied extensively for its potential therapeutic applications in the treatment of depression and cognitive disorders like major depressive disorder and post-traumatic stress disorder (PTSD).



**Storage**

Store at -20°C, and keep desiccated.

---