



## Product Information

### AM1241

**Cat. No.:** X23-12-YM1015

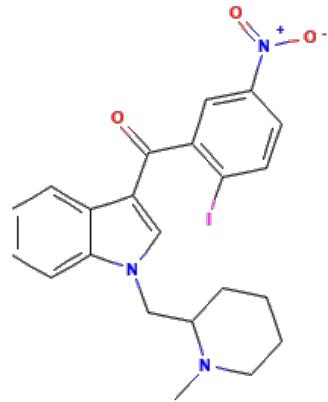
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 444912-48-5

**Compound CID:** 10141893

**Synonym:** 444912-48-5; AM 1241; AM-1241

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



### Product Information

<b>Description</b>	AM1241, soluble in DMSO and insoluble in water and ethanol, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
<b>Molecular Weight</b>	503.33
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>22</sub> IN <sub>3</sub> O <sub>3</sub>
<b>IUPAC Name</b>	(2-Iodo-5-nitrophenyl)-[1-[(1-methylpiperidin-2-yl)methyl]indol-3-yl]methanone
<b>InChI</b>	InChI=1S/C22H22IN3O3/c1-24-11-5-4-6-16(24)13-25-14-19(17-7-2-3-8-21(17)25)22(27)18-12-15(26(28)29)9-10-20(18)23/h2-3,7-10,12,14,16H,4-6,11,13H2,1H3
<b>InChI Key</b>	ZUHIXXCLLBMBDW-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CN1CCCCC1CN2C=C(C3=CC=CC=C32)C(=O)C4=C(C=CC(=C4)[N+](=O)[O-])I
<b>Form</b>	Lyophilized powder
<b>Purity</b>	>98%
<b>Solubility</b>	DMSO: 86 mg/mL (170.86 mM); Water: insoluble; Ethanol: insoluble
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	AM1241 can be used for research on neuropathic pain, inflammatory pain, and conditions involving neuroinflammation.
<b>Storage</b>	Store at -20°C, and keep desiccated.