



Product Information

MAO inhibitor, Toloxatone, Purity $\geq 98\%$

Cat. No.: X24-09-YM167

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

MDL: MFCD00865391

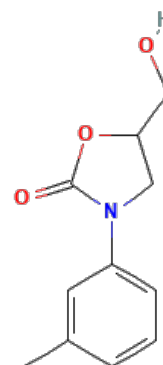
CAS Number: 29218-27-7

Compound CID: 34521

Synonym: 29218-27-7; MD 69276; MD-69276; MD69276; Toloxatone; Humoryl; Delalande 69276; Perenum;

5-(Hydroxymethyl)-3-(3-methylphenyl)-1,3-oxazolidin-2-one; MAO inhibitor

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



Product Information

Description	Toloxatone, soluble in DMSO, water and ethanol, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting MAO. The molecular weight of the compound is 207.23, and its molecular formula is $C_{11}H_{13}NO_3$.
Molecular Weight	207.23
Molecular Formula	$C_{11}H_{13}NO_3$
IUPAC Name	5-(Hydroxymethyl)-3-(3-methylphenyl)-1,3-oxazolidin-2-one
InChI	InChI=1S/C11H13NO3/c1-8-3-2-4-9(5-8)12-6-10(7-13)15-11(12)14/h2-5,10,13H,6-7H2,1H3
InChI Key	MXUNKHLAEDCYJL-UHFFFAOYSA-N
Canonical SMILES	<chem>CC1=CC(=CC=C1)N2CC(OC2=O)CO</chem>
Isomeric SMILES	<chem>CC1=C(C2=C(N1C/C(=C/CN)/F)C=CC=N2)C3=CC(=CC=C3)S(=O)(=O)N(C)C.Cl.Cl</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 35 mg/mL (168.89 mM); Water: <1 mg/mL; Ethanol: 35 mg/mL (168.89 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Toloxatone displays the significant potential to act as an effective antidepressant to increase the levels of serotonin and norepinephrine by inhibiting MAO-A.



Storage

Store at -20°C, and keep desiccated.
