

Product Information

Cyclandelate, Purity $\geq 98\%$

Cat. No.: X24-09-YM1421

Size: 50 mg; 100 mg; 200 mg; 500 mg

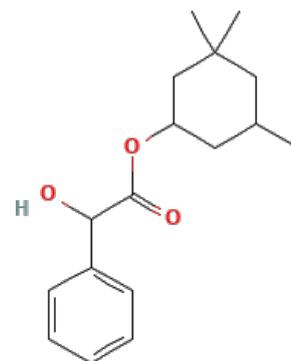
MDL: MFCD00056623

CAS Number: 456-59-7

Compound CID: 2893

Synonym: 456-59-7; BS 572; (3,3,5-Trimethylcyclohexyl) 2-hydroxy-2-phenylacetate

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



Product Information

Description	Cyclandelate, soluble in DMSO and ethanol and insoluble in water, is an effective inhibitor of rat hepatic acycloenzyme A: cholesterol acyltransferase (ACAT). The molecular weight of the compound is 276.37, and its molecular formula is C ₁₇ H ₂₄ O ₃ .
Molecular Weight	276.37
Molecular Formula	C ₁₇ H ₂₄ O ₃
IUPAC Name	(3,3,5-Trimethylcyclohexyl) 2-hydroxy-2-phenylacetate
InChI	InChI=1S/C17H24O3/c1-12-9-14(11-17(2,3)10-12)20-16(19)15(18)13-7-5-4-6-8-13/h4-8,12,14-15,18H,9-11H2,1-3H3
InChI Key	WZHCOOQXZCIUNC-UHFFFAOYSA-N
Canonical SMILES	CC1CC(CC(C1)(C)C)OC(=O)C(C2=CC=CC=C2)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 47 mg/mL (170.05 mM); Water: insoluble; Ethanol: 47 mg/mL (170.05 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Cyclandelate plays a key role in promoting vasodilation and enhances blood flow, particularly to the extremities and brain.
Storage	Store at -20°C, and keep desiccated.

