

Product Information

Pidotimod, Purity ≥98%

Cat. No.: X24-09-YM1147

Size: 500 mg; 1 g; 2 g; 5 g

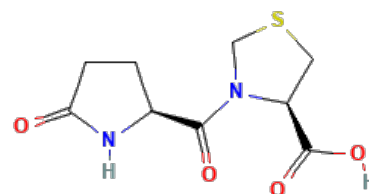
MDL: MFCD00867583

CAS Number: 121808-62-6

Compound CID: 65944

Synonym: 121808-62-6; Pilimod;

(4*R*)-3-[(2*S*)-5-Oxopyrrolidine-2-carbonyl]-1,3-thiazolidine-4-carboxylic acid



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

Product Information

Description	Pidotimod, soluble in DMSO and water and insoluble in ethanol, is an immunostimulant. The molecular weight of the compound is 244.27, and its molecular formula is C ₉ H ₁₂ N ₂ O ₄ S.
Molecular Weight	244.27
Molecular Formula	C ₉ H ₁₂ N ₂ O ₄ S
IUPAC Name	(4 <i>R</i>)-3-[(2 <i>S</i>)-5-Oxopyrrolidine-2-carbonyl]-1,3-thiazolidine-4-carboxylic acid
InChI	InChI=1S/C9H12N2O4S/c12-7-2-1-5(10-7)8(13)11-4-16-3-6(11)9(14)15/h5-6H,1-4H2,(H,10,12)(H,14,15)/t5-,6-/m0/s1
InChI Key	UUTKICFRNVKFRG-WDSKDSINSA-N
Canonical SMILES	C1CC(=O)NC1C(=O)N2CSCC2C(=O)O
Isomeric SMILES	COC1=C(C=C(C=C1)C[C@H]2COC(=O)[C@@H]2CC3=CC(=C(C=C3)O)OC)OC
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 49 mg/mL (200.59 mM); Water: 10 mg/mL (40.93 mM); Ethanol: insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Pidotimod plays a key role in affecting cytokine production and enhancing T-cell activity.
Storage	Store at -20°C, and keep desiccated.



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