CD BioGlyco

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Product Information

MDM2 inhibitor HDM201, Purity ≥98%

Cat. No.: X23-10-ZQ139

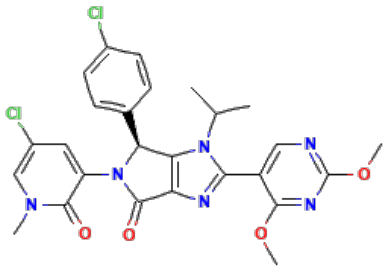
Size: 2 mg; 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1448867-41-1

Compound CID: 71678098

Synonym: 1448867-41-1; Siremadlin; HDM-201; HDM201; NVP-HDM 201; NVP-HDM201; Siremadlin [USAN];

(*S*)-5-(5-Chloro-1-methyl-2-*oxo*-1,2-dihydropyridin-3-yl)-6-(4-chlorophenyl)-2-(2,4-dimethoxypyrimidin-5-yl)-1-isopropyl-5,6-dihydropyrrolo[3,4-d]imidazol-4(1*H*)-one; MDM2 inhibitor



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

Product Information

Description	HDM201, soluble in DMSO and ethanol and insoluble in water, prevents the degradation of p53 by inhibiting the MDM2-p53 interaction, leading to increased p53 levels and promoting apoptosis in p53-responsive cells.
Molecular Weight	555.41
Molecular Formula	$C_{26}H_{24}Cl_2N_6O_4$
IUPAC Name	(4*S*)-5-(5-Chloro-1-methyl-2-oxopyridin-3-yl)-4-(4-chlorophenyl)-2-(2,4-dimethoxypyrimidin-5-yl)-3-propan-2-yl-4*H*-pyrrolo[3,4-d]imidazol-6-one
InChI	InChI=1S/C26H24Cl2N6O4/c1-13(2)33-21-19(30-22(33)17-11-29-26(38-5)31-23(17)37-4)25(36)34(18-10-16(28)12-32(3)24(18)35)20(21)14-6-8-15(27)9-7-14/h6-13,20H,1-5H3/t20-/m0/s1
InChI Key	AGBSXNCBIWWLHD-FQEVSTJZSA-N
Canonical SMILES	CC(C)N1C2=C(C(=O)N(C2C3=CC=C(C=C3)Cl)C4=CC(=CN(C4=O)C)Cl)N=C1C5=CN=C(N=C5OC)OC
Isomeric SMILES	CC(C)N1C2=C(C(=O)N([C@H]2C3=CC=C(C=C3)Cl)C4=CC(=CN(C4=O)C)Cl)N=C1C5=CN=C(N=C5OC)OC
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 98 mg/mL (176.44 mM); Water: Insoluble; Ethanol: 3 mg/mL (5.4 mM)
Identity	Confirmed by NMR/HPLC/MS.

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Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	HDM201 can be studied for its capability to stabilize p53 by preventing HDM2-mediated degradation, potentially useful in cancer therapy.
Storage	Store at -20ºC.

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