



Product Information

Isocitrate dehydrogenase (IDH) inhibitor, Vorasidenib, Purity ≥98%

Cat. No.: X24-09-YM323

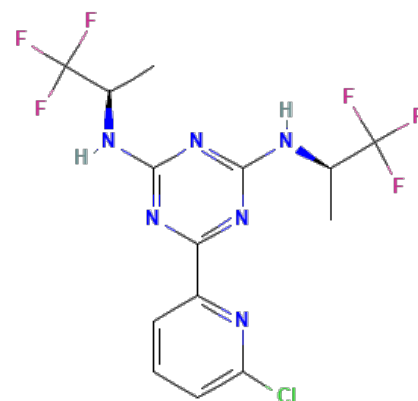
Size: 2 mg; 5 mg; 10 mg; 50 mg

CAS Number: 1644545-52-7

Compound CID: 117817422

Synonym: 1644545-52-7; AG-881; AG 881; AG881;

6-(6-Chloropyridin-2-yl)-2-*N*,4-*N*-bis[(2*R*)-1,1,1-trifluoropropan-2-yl]-1,3,5-triazine-2,4-diamine; Isocitrate dehydrogenase (IDH) inhibitor



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

Product Information

Description	Vorasidenib, soluble in DMSO and ethanol and insoluble in water, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting isocitrate dehydrogenase (IDH). The molecular weight of the compound is 414.74, and its molecular formula is C ₁₄ H ₁₃ ClF ₆ N ₆ .
Molecular Weight	414.74
Molecular Formula	C ₁₄ H ₁₃ ClF ₆ N ₆
IUPAC Name	6-(6-Chloropyridin-2-yl)-2- <i>N</i> ,4- <i>N</i> -bis[(2 <i>R</i>)-1,1,1-trifluoropropan-2-yl]-1,3,5-triazine-2,4-diamine
InChI	InChI=1S/C14H13ClF6N6/c1-6(13(16,17)18)22-11-25-10(8-4-3-5-9(15)24-8)26-12(27-11)23-7(2)14(19,20)21/h3-7H,1-2H3,(H2,22,23,25,26,27)/t6-,7-/m1/s1
InChI Key	QCZAWDGAJVMPTA-RNFRBKRXSA-N
Canonical SMILES	CC(C(F)(F)F)NC1=NC(=NC(=N1)C2=NC(=CC=C2)Cl)NC(C)C(F)(F)F
Isomeric SMILES	C[C@H]1C[C@H](CC(C1)(C)C)N2C3=C(C=C(C=C3)CCC(=O)O)N=C2NC4=CC=C(C=C4)OC(F)(F)F
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 75 mg/mL (180.83 mM); Water: insoluble; Ethanol: 75 mg/mL (180.83 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.



Quality Level	Research grade
Applications	Vorasidenib can be studied extensively for its potential therapeutic applications in the treatment of various IDH-mutant cancers, including gliomas and AML.
Storage	Store at -20°C, and keep desiccated.
