



Product Information

Isocitrate dehydrogenase (IDH) inhibitor, IDH-C227, Purity $\geq 98\%$

Cat. No.: X24-09-YM320

Size: 2 mg; 5 mg; 10 mg; 20 mg

CAS Number: 1355324-14-9

Compound CID: 56645961

Synonym: 1355324-14-9;

2-(*N*

-[2-(4-Cyanoanilino)acetyl]-3-fluoroanilino)-*N*

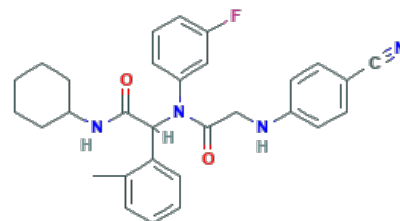
-cyclohexyl-2-(2-methylphenyl)acetamide;

2-(*N*

-[2-(4-Cyanoanilino)acetyl]-3-fluoroanilino)-*N*

-cyclohexyl-2-(2-methylphenyl)acetamide; Isocitrate dehydrogenase (IDH) inhibitor

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



Product Information

Description	IDH-C227 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 498.59, and its molecular formula is C ₃₀ H ₃₁ FN ₄ O ₂ .
Molecular Weight	498.59
Molecular Formula	C ₃₀ H ₃₁ FN ₄ O ₂
IUPAC Name	2-(<i>N</i> -[2-(4-Cyanoanilino)acetyl]-3-fluoroanilino)- <i>N</i> -cyclohexyl-2-(2-methylphenyl)acetamide
InChI	InChI=1S/C30H31FN4O2/c1-21-8-5-6-13-27(21)29(30(37)34-25-10-3-2-4-11-25)35(26-12-7-9-23(31)18-26)28(36)20-33-24-16-14-22(19-32)15-17-24/h5-9,12-18,25,29,33H,2-4,10-11,20H2,1H3,(H,34,37)
InChI Key	AATMNHPEZNXEK-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=CC=C1C(C(=O)NC2CCCCC2)N(C3=CC(=CC=C3)F)C(=O)CNC4=CC=C(C=C4)C#N
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.



Quality Level	Research grade
Applications	IDH-C227 plays a key role in inhibiting this mutant enzyme.
Storage	Store at -20°C, and keep desiccated.
