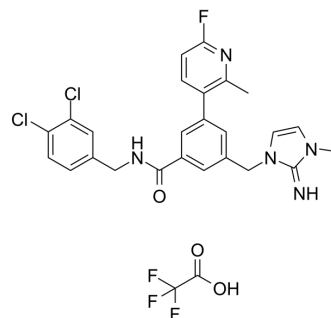


WDR5-IN-4 TFA

Cat. No.:	HY-111753A
CAS No.:	2749300-35-2
Molecular Formula:	C ₂₇ H ₂₃ Cl ₂ F ₄ N ₅ O ₃
Molecular Weight:	612.4
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (408.23 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.6329 mL	8.1646 mL	16.3292 mL
	5 mM	0.3266 mL	1.6329 mL	3.2658 mL
	10 mM	0.1633 mL	0.8165 mL	1.6329 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

WDR5-IN-4 TFA is an inhibitor of the WIN site of chromatin-associated WD repeat-containing protein 5 (WDR5), with a K_d of 0.1 nM. WDR5-IN-4 TFA displaces WDR5 from chromatin and decreases the expression of associated genes, causing translational inhibition, nucleolar stress. Anti-cancer activity^[1].

CUSTOMER VALIDATION

- Cell Rep. 2023 Apr 21;42(5):112423.
- bioRxiv. 2023 Jun 5.

See more customer validations on www.MedChemExpress.com

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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