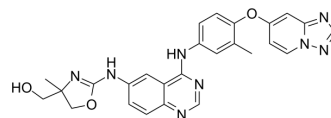


ONT-993

Cat. No.:	HY-151239		
CAS No.:	937263-81-5		
Molecular Formula:	C ₂₆ H ₂₄ N ₈ O ₃		
Molecular Weight:	496.52		
Target:	Cytochrome P450		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (100.70 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.0140 mL	10.0701 mL	20.1402 mL
	5 mM		0.4028 mL	2.0140 mL	4.0280 mL
	10 mM		0.2014 mL	1.0070 mL	2.0140 mL

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

BIOLOGICAL ACTIVITY

Description	ONT-993 is an aliphatic hydroxylated metabolite. ONT-993 inhibits CYP2D6 (IC ₅₀ =7.9 μM) and causes metabolism-dependent inactivation of CYP3A (KI=1.6 μM) ^[1] .
IC ₅₀ & Target	CYP2D6 7.9 μM (IC ₅₀)

REFERENCES

[1]. Sun H, et al. Elimination of tucatinib, a small molecule kinase inhibitor of HER2, is primarily governed by CYP2C8 enantioselective oxidation of gem-dimethyl. Cancer Chemother Pharmacol. 2022 Jun;89(6):737-750.

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

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