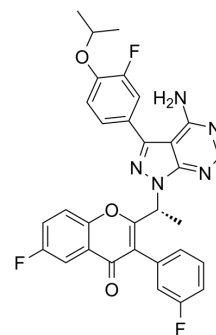


Umbralisib R-enantiomer

Cat. No.:	HY-12279F		
CAS No.:	1532533-69-9		
Molecular Formula:	C ₃₁ H ₂₄ F ₃ N ₅ O ₃		
Molecular Weight:	571.55		
Target:	PI3K		
Pathway:	PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (58.32 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.7496 mL	8.7481 mL	17.4963 mL
	5 mM	0.3499 mL	1.7496 mL	3.4993 mL
	10 mM	0.1750 mL	0.8748 mL	1.7496 mL

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

BIOLOGICAL ACTIVITY

Description	Umbralisib R-enantiomer (TGR-1202 R-enantiomer) is a PI3K δ inhibitor, which is the less active enantiomer of TGR-1202.
IC₅₀ & Target	PI3K δ
In Vitro	Umbralisib R-enantiomer (TGR-1202 R-enantiomer) (Formula A) exhibits a 50% inhibitory concentration (IC ₅₀) with respect to the δ type PI3-kinase that is at least 20-fold lower than the inhibitor's IC ₅₀ with respect to the rest of the other PI3K isoforms (i.e., α , β , and γ) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Michael Weiss, et al. Combination of anti-cd20 antibody and pi3 kinase selective inhibitor. WO2014071125A1.

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

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