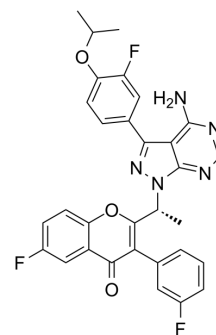


## Umbralisib R-enantiomer

Cat. No.:	HY-12279F		
CAS No.:	1532533-69-9		
Molecular Formula:	C <sub>31</sub> H <sub>24</sub> F <sub>3</sub> N <sub>5</sub> O <sub>3</sub>		
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)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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 PI3Kδ inhibitor, which is the less active enantiomer of TGR-1202.
IC <sub>50</sub> & Target	PI3Kδ
In Vitro	Umbralisib R-enantiomer (TGR-1202 R-enantiomer) (Formula A) exhibits a 50% inhibitory concentration (IC <sub>50</sub> ) with respect to the δ type PI3-kinase that is at least 20-fold lower than the inhibitor's IC <sub>50</sub> with respect to the rest of the other PI3K isoforms (i.e., α, β, and γ) <sup>[1]</sup> . 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.

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

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