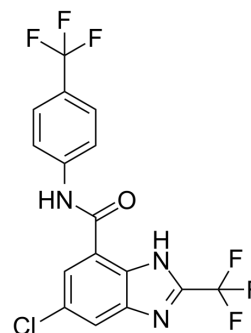


DK419

Cat. No.:	HY-112799		
CAS No.:	2102672-22-8		
Molecular Formula:	C ₁₆ H ₈ ClF ₆ N ₃ O		
Molecular Weight:	407.7		
Target:	Wnt; β -catenin		
Pathway:	Stem Cell/Wnt		
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 : 83.33 mg/mL (204.39 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4528 mL	12.2639 mL	24.5278 mL
	5 mM	0.4906 mL	2.4528 mL	4.9056 mL
	10 mM	0.2453 mL	1.2264 mL	2.4528 mL

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

BIOLOGICAL ACTIVITY

Description

DK419 is a potent and orally active Wnt/ β -catenin signaling inhibitor, with an IC₅₀ of 0.19 μ M. DK419 reduces protein levels of Axin2, β -catenin, c-Myc, Cyclin D1 and Survivin and induces production of pAMPK^[1].

IC₅₀ & Target

Wnt/ β -catenin^[1]

REFERENCES

[1]. Wang J, et al. Identification of DK419, a potent inhibitor of Wnt/ β -catenin signaling and colorectal cancer growth. *Bioorg Med Chem*. 2018 Nov 1;26(20):5435-5442.

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

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