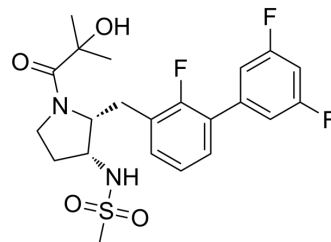


(2R,3R)-Firazorexton

Cat. No.:	HY-137440B		
CAS No.:	2692692-00-3		
Molecular Formula:	C ₂₂ H ₂₅ F ₃ N ₂ O ₄ S		
Molecular Weight:	470.51		
Target:	Orexin Receptor (OX Receptor)		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (531.34 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1254 mL	10.6268 mL	21.2535 mL
	5 mM	0.4251 mL	2.1254 mL	4.2507 mL
	10 mM	0.2125 mL	1.0627 mL	2.1254 mL

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

BIOLOGICAL ACTIVITY

Description

(2R,3R)-Firazorexton ((2R,3R)-TAK-994 free base) is an isomer of Firazorexton (HY-137440). Firazorexton is an orally active, brain-penetrating orexin type 2 receptor (OX2R) agonist that may improve narcolepsy-like symptoms^[1].

REFERENCES

[1]. Ishikawa T, Hara H, Kawano A, Tohyama K, Kajita Y, Miyanohana Y, Koike T, Kimura H. TAK-994, a Novel Orally Available Brain-Penetrant Orexin 2 Receptor-Selective Agonist, Suppresses Fragmentation of Wakefulness and Cataplexy-Like Episodes in Mouse Models of Narcolepsy. *J Pharmacol Exp Ther.* 2023 Jun;385(3):193-204.

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

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