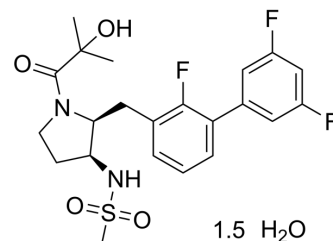


Firazorexton hydrate

Cat. No.:	HY-137440A
CAS No.:	2861934-86-1
Molecular Formula:	$C_{22}H_{25}F_3N_2O_4S \cdot 3/2H_2O$
Molecular Weight:	497.53
Target:	Orexin Receptor (OX Receptor)
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Firazorexton hydrate (TAK-994) is a potent, brain-penetrant, and orally active orexin type 2 receptor (OX2R) agonist (EC ₅₀ : 19 nM). Firazorexton hydrate inhibits fragmentation of wakefulness and cataplexy-like episodes in mouse models of narcolepsy [1].
IC₅₀ & Target	EC ₅₀ : 19 nM (OX2R) ^[1]

REFERENCES

[1]. Ishikawa T, et al. 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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