

Product Data Sheet

MK-571 sodium salt hydrate

Cat. No.:	B8031
CAS No.:	115103-85-0
Formula:	C ₂₆ H ₂₆ ClN ₂ NaO ₃ S ₂ ·xH ₂ O
M.Wt:	537.07 (anhydrous basis)
Synonyms:	L-660711
Target:	GPCR/G protein
Pathway:	Leukotriene Receptor
Storage:	Store at -20°C



Solvent & Solubility

≥10.3 mg/mL in DMSO with gentle warming and ultrasonic; ≥122.2 mg/mL in H₂O; ≥8.3 mg/mL in EtOH with gentle warming and ultrasonic

In Vitro

Preparing Stock Solutions	Solvent	Mass Concentration	Mass		
			1mg	5mg	10mg
		1 mM	1.8620 mL	9.3098 mL	18.6195 mL
		5 mM	0.3724 mL	1.8620 mL	3.7239 mL
		10 mM	0.1862 mL	0.9310 mL	1.8620 mL

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

Biological Activity

Shortsummary

CysLT1 receptor antagonist

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Fang Y, Cao W, et al. "Structure affinity relationship and docking studies of flavonoids as substrates of multidrug-resistant associated protein 2 (MRP2) in MDCK/MRP2 cells." Food Chem. 2019 Sep 1;291:101-109.PMID:31006447
2. Yi Xiao,Lei Xin,et al. "Quercetin and kaempferol increase the intestinal absorption of isorhamnetin coexisting in Elaeagnus rhamnoides (L.) A. Nelson (Elaeagnaceae) extracts via regulating multidrug resistance-associated protein 2." Phytomedicine Available online 4 September 2018.
3. Chee YC, Pahnke J, et al. "Intrinsic Xenobiotic Resistance of the Intestinal Stem Cell Niche." Dev Cell. 2018 Aug 21.pii: S1534-5807(18)30608-7.PMID:30146480

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

APExBIO Technology

www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com