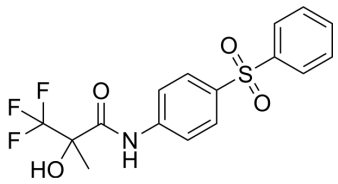
ZM226600

Cat. No.:	HY-101256
CAS No.:	147695-92-9
Molecular Formula:	$C_{16}H_{14}F_3NO_4S$
Molecular Weight:	373.35
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (669.61 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.6785 mL	13.3923 mL	26.7845 mL
	5 mM	0.5357 mL	2.6785 mL	5.3569 mL
	10 mM	0.2678 mL	1.3392 mL	2.6785 mL

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

BIOLOGICAL ACTIVITY

Description

ZM226600 is an ATP-sensitive potassium channel opener (EC_{50}: 500 nM). ZM226600 inhibits bladder spontaneous activity[1][2].

In Vitro

ZM226600 (1 μM, 30 min) inhibits bladder spontaneous activity[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

ZM226600 (10-1000 nmol/kg, i.v.) does not alter significantly the heart beats rate in anaesthetized rats[1].

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REFERENCES

[1]. Pinna C,et al. Effect of the ATP-sensitive potassium channel opener ZM226600 on cystometric parameters in rats with ligature-intact, partial urethral obstruction. Eur J Pharmacol. 2005 May 23;516(1):71-7.

[2]. Grant TL, et al. Anilide tertiary carbinols: a novel series of K+ channel openers. Trends Pharmacol Sci. 1994 Nov;15(11):402-4.

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