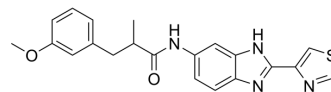


## RY785

Cat. No.:	HY-114608
CAS No.:	1393748-80-5
Molecular Formula:	C <sub>21</sub> H <sub>20</sub> N <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	392.47
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (254.80 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5480 mL	12.7398 mL	25.4797 mL
	5 mM	0.5096 mL	2.5480 mL	5.0959 mL
	10 mM	0.2548 mL	1.2740 mL	2.5480 mL

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

### BIOLOGICAL ACTIVITY

#### Description

RY785 is a potent and selective voltage-gated potassium (K<sub>v</sub>2) channel inhibitor with an IC<sub>50</sub> of 0.05 μM for K<sub>v</sub>2.2. RY785 has analgesic activity<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

voltage-gated potassium (K<sub>v</sub>2) channel<sup>[1]</sup>

### REFERENCES

[1]. Herrington J, et al. Identification of novel and selective Kv2 channel inhibitors. Mol Pharmacol. 2011 Dec;80(6):959-64.

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

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