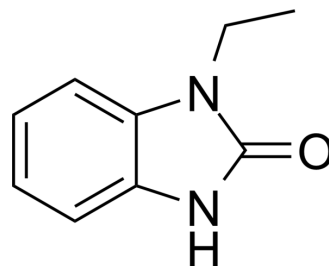


1-EBIO

Cat. No.:	HY-101360		
CAS No.:	10045-45-1		
Molecular Formula:	C ₉ H ₁₀ N ₂ O		
Molecular Weight:	162.19		
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 : 100 mg/mL (616.56 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg			5 mg			10 mg		
			Concentration			Concentration			Concentration		
1 mM			6.1656 mL			30.8280 mL			61.6561 mL		
5 mM			1.2331 mL			6.1656 mL			12.3312 mL		
10 mM			0.6166 mL			3.0828 mL			6.1656 mL		

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (15.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (15.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (15.41 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

1-EBIO is an activator of Ca²⁺ sensitive K⁺ channels. 1-EBIO is used to study the role of K⁺ channels in diverse physiological functions^[1].

REFERENCES

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

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