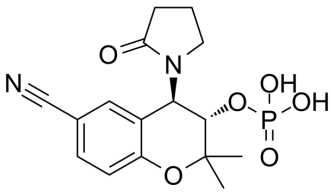
Foslevcromakalim

Cat. No.:	HY-152847
CAS No.:	1802655-72-6
Molecular Formula:	$C_{16}H_{19}N_2O_6P$
Molecular Weight:	366.31
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 : 60 mg/mL (163.80 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.7299 mL	13.6496 mL	27.2993 mL
	5 mM	0.5460 mL	2.7299 mL	5.4599 mL
	10 mM	0.2730 mL	1.3650 mL	2.7299 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 3 mg/mL (8.19 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 3 mg/mL (8.19 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 3 mg/mL (8.19 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Foslevcromakalim (QLS-101) is a ATP-sensitive potassium channel opener. Foslevcromakalim is the proagent used for ocular hypotensive effect[1][2].

REFERENCES

[1]. Pervan-Steel CL, et al. Ocular Hypotensive Properties and Biochemical Profile of QLS-101, a Novel ATP-Sensitive Potassium (KATP) Channel Opening Prodrug. Invest

Ophthalmol Vis Sci. 2022 Apr 1;63(4):26.

[2]. WHO Drug Information-World Health Organization (WHO).

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