

Product Name	: IK1 inhibitor PA-6
Synonyms	: —
Cat No.	: M22001
CAS Number	: 500715-03-7
Molecular Formula	: C ₃₁ H ₃₂ N ₄ O ₂
Formula Weight	: 492.62
Chemical Name	: —
Description	: IK1 inhibitor PA-6 (PA-6) is a selective and potent inhibitor of IK1 (KIR2.x ion-channel-carried inward rectifier current)(IC ₅₀ of 12-15 nM for human and mouse KIR2.x currents).
Pathway	: Cell Cycle/DNA Damage
Target	: Potassium Channel
Receptor	: KIR2.x currents
Solubility	: DMSO: 120mg/ml (243.59 Mm; Need ultrasonic)
SMILES	: <chem>N=C(NC1=CC=C(OCCCCCOC2=CC=C(NC(=N)C3=CC=CC=C3)C=C2)C=C1)C1=CC=CC=C1</chem>
Storage	: (-20℃)
Stability	: ≥ 2 years
Reference	:

1. Ji Y, et al. The inward rectifier current inhibitor PA-6 terminates atrial fibrillation and does not cause ventricular arrhythmias in goat and dog models. Br J Pharmacol. 2017 Aug;174(15):2576-2590.2. Ji Y, et al. PA-6 inhibits inward rectifier currents carried by V93I and D172N gain-of-function KIR2.1 channels, but increases channel protein expression. J Biomed Sci. 2017 Jul 15;24(1):44.