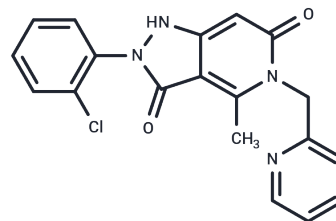


GKT136901

Chemical Properties

CAS No. : 955272-06-7
Formula: C₁₉H₁₅ClN₄O₂
Molecular Weight: 366.8
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	GKT136901 (AK120765) is an inhibitor of NOX1/4. It acts as Selective and Direct Scavenger of Peroxynitrite
Targets(IC50)	NADPH-oxidase, NADPH
In vivo	GKT136901 is a novel NOX-1/4 inhibitor with potential application in the areas of diabetic nephropathy, stroke, or neurodegeneration[1]

Solubility Information

Solubility	DMSO: 32.5 mg/mL (88.6 mM), (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7263 mL	13.6314 mL	27.2628 mL
5 mM	0.5453 mL	2.7263 mL	5.4526 mL
10 mM	0.2726 mL	1.3631 mL	2.7263 mL
50 mM	0.0545 mL	0.2726 mL	0.5453 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

S Schildknecht, A Weber, H R Gerding. The NOX1/4 Inhibitor GKT136901 as Selective and Direct Scavenger of Peroxynitrite. Curr Med Chem. 2014;21(3):365-76.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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