MOLNOVA
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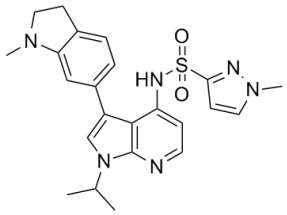
Datasheet (Version 1.0)

Product Name	:	GSK2795039
Synonyms	:	——
Cat No.	:	M22686
CAS Number	:	1415925-18-6
Molecular Formula	:	C23H26N6O2S
Formula Weight	:	450.56
Chemical Name	:	——
Description	:	GSK2795039 inhibits reactive oxygen species (ROS) production and NADPH consumption. GSK2795039 decreases apoptosis. GSK2795039 is an inhibitor of NADPH oxidase 2 (NOX2) (pIC50: 6 in different cell-free assays). GSK2795039 (25 μM; 24 hours) decreases the combinatory effect of FeSO4 and LPS-increased levels of apoptosis. It also reduced the presence of caspase-3-positive PC12 cells.GSK2795039 (i.p.; 100 mg/kg; 1 hour before) reduces activity in a murine model of acute pancreatitis. It also decreases the levels of serum amylase triggered by systemic injection of cerulein.
Pathway	:	Membrane Transporter/Ion Channel
Target	:	NADPH
Receptor	:	NADPH; apoptosis; ROS
Solubility	:	DMSO:31 mg/mL(68.8 mM)
SMILES	:	CC(C)n1cc(-c2ccc3CCN(C)c3c2)c2c(NS(=O)(=O)c3ccn(C)n3)ccnc12
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Hirano K, et al. Discovery of GSK2795039, a Novel Small Molecule NADPH Oxidase 2 Inhibitor. Antioxid Redox Signal. 2015 Aug 10;23(5):358-74.