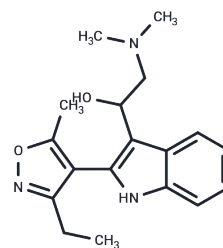


Sari 59-801

Chemical Properties

CAS No. :	80565-58-8
Formula:	C ₁₈ H ₂₃ N ₃ O ₂
Molecular Weight:	313.39
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Sari 59-801 is a novel, orally effective hypoglycemic compound that appears to act largely by stimulation of insulin release. SARI-59-801 was more potent in producing hypoglycemia (ED ₂₅ = 47 mg/kg) than their lean littermates (ED ₂₅ = 131 mg/kg).
Targets(IC ₅₀)	Others,IGF-1R
In vivo	The 2-hr hypoglycemic ED ₂₅ in fasting mice was 110 mg/kg; the plasma insulin levels were increased, with an ED ₅₀ of 47 mg/kg. The significant hypoglycemic activity was observed 2 hr after oral administration of Sari 59-801 to fasting rats (ED ₂₅ = 86 mg/kg), while plasma insulin was elevated by 62% at 100 mg/kg.

Solubility Information

Solubility	DMSO: 65 mg/mL (207.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1909 mL	15.9546 mL	31.9091 mL
5 mM	0.6382 mL	3.1909 mL	6.3818 mL
10 mM	0.3191 mL	1.5955 mL	3.1909 mL
50 mM	0.0638 mL	0.3191 mL	0.6382 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hanson RL, Isaacson CM. Stimulation of insulin secretion from isolated rat islets by SaRI 59-801. Relation to cAMP concentration and Ca²⁺ uptake. Diabetes. 1985 Jul;34(7):691-5. PubMed PMID: 2408949.

Hanson RL, Isaacson CM, Boyajy LD. Stimulation of insulin secretion from isolated rat islets by SaRI 59-801. Diabetes. 1985 Jun;34(6):548-52. PubMed PMID: 3924691.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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