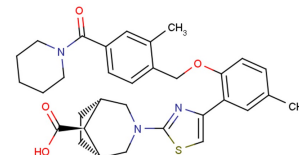


BI 703704

Chemical Properties

CAS No.: T10536
Formula: C₃₂H₃₇N₃O₄S
Molecular Weight: 559.72
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	BI 703704 is a potent activator of soluble guanylate cyclase (sGC). It inhibits the progression of diabetic nephropathy in the ZSF1 rat.
Targets(IC ₅₀)	Others: None
In vivo	BI 703704 is effective in elevating renal cGMP levels in a dose-dependent manner and in slowing the progression of diabetic nephropathy in an oxidative stress milieu. BI 703704 (0.3-10 mg/kg; food intake; daily for 15 weeks) results in dose-dependent decreases in urinary protein excretion (UPE), and a dose-dependent increase in renal cGMP content.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.787 mL	8.933 mL	17.866 mL
5 mM	0.357 mL	1.787 mL	3.573 mL
10 mM	0.179 mL	0.893 mL	1.787 mL
50 mM	0.036 mL	0.179 mL	0.357 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Boustany-Kari CM, et al. A Soluble Guanylate Cyclase Activator Inhibits the Progression of Diabetic Nephropathy in the ZSF1 Rat. J Pharmacol Exp Ther. 2016 Mar;356(3):712-9.

Inhibitors · Natural Compounds · Compound Libraries

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