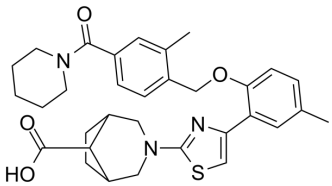
(Rac)-BI 703704

Cat. No.:	HY-117962
CAS No.:	1423067-48-4
Molecular Formula:	$C_{32}H_{37}N_3O_4S$
Molecular Weight:	559.72
Target:	Guanylate Cyclase
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(Rac)-BI 703704 is a potent soluble guanylyl cyclase (sGC) activator. (Rac)-BI 703704 reduces progression of renal damage in the ZSF1 rat, and highlight the potential of sGC activation as an effective therapy for diabetic nephropathy[1].
In Vivo	(Rac)-BI 703704 (0.3-10 mg/kg; food intake; daily for 15 weeks) inhibits the progression of diabetic nephropathy in the ZSF1 rat[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	12-13 weeks male ZSF1 obese rats[1]
Dosage:	0.3, 1, 3, or 10 mg/kg
Administration:	Food intake; daily for 15 weeks
Result:	Dose-dependent increased in renal cGMP levels; Dosedependent decreased in urinary protein excretion (UPE); Accompanied by a significant reduction in the incidence of glomerulosclerosis and interstitial lesions.

REFERENCES

[1]. Yu L, et al. Picrocrocin exhibits growth inhibitory effects against SKMEL- 2 human malignant melanoma cells by targeting JAK/ STAT5 signaling pathway, cell cycle arrest and mitochondrial mediated apoptosis. J BUON. 2018 Jul-Aug;23(4):1163-1168.

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