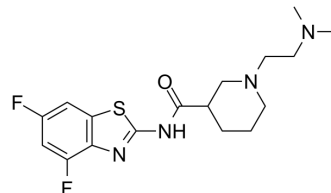


MCUF-651

Cat. No.:	HY-149453
CAS No.:	2747162-85-0
Molecular Formula:	C ₁₇ H ₂₂ F ₂ N ₄ OS
Molecular Weight:	368.44
Target:	Guanylate Cyclase
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MCUF-651 is an orally active guanylyl cyclase A receptor (GC-A) positive allosteric modulator (PAM) (K_D : 397 nM). MCUF-651 binds to GC-A and selectively enhances the binding of atrial natriuretic peptide (ANP) to GC-A. MCUF-651 enhances ANP-mediated cGMP generation in human cardiac, renal, and fat cells. MCUF-651 inhibits cardiomyocyte hypertrophy^[1].

REFERENCES

[1]. Sangaralingham SJ, et al. Discovery of small molecule guanylyl cyclase A receptor positive allosteric modulators. Proc Natl Acad Sci U S A. 2021 Dec 28;118(52):e2109386118.

Caution: Product has not been fully validated for medical applications. For research use only.

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