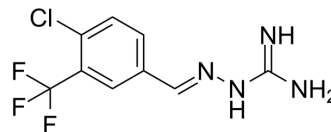


AC-099

Cat. No.:	HY-154829
CAS No.:	849459-88-7
Molecular Formula:	C ₉ H ₈ ClF ₃ N ₄
Molecular Weight:	264.63
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AC-099 (compound 3) is a selective NPFF2R full agonist (EC ₅₀ =1189 nM) and NPFF1R partial agonist (EC ₅₀ =2370 nM). AC-099 attenuates spinal nerve ligation-induced hypersensitivity in rats ^{[1][2]} .
IC₅₀ & Target	NPFF2R/1R ^{[1][2]} .
In Vivo	AC-099 (compound 3; 30 mg/kg; i.p.; single) completely attenuates spinal nerve ligation (SNL)-induced hypersensitivity in rats ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Findeisen M, et al. Selective mode of action of guanidine-containing non-peptides at human NPFF receptors. *J Med Chem.* 2012 Jul 12;55(13):6124-36.
- [2]. Gaubert G, et al. Discovery of selective nonpeptidergic neuropeptide FF2 receptor agonists. *J Med Chem.* 2009 Nov 12;52(21):6511-4.

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

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