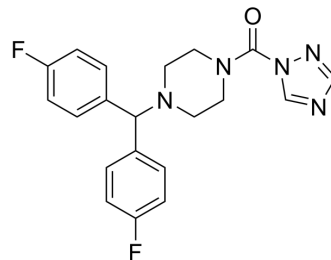


SAR629

Cat. No.:	HY-118653
CAS No.:	1221418-42-3
Molecular Formula:	C ₂₀ H ₁₉ F ₂ N ₅ O
Molecular Weight:	383.39
Target:	MAGL
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SAR629 is a potent monoglyceride lipase (MGL) covalent inhibitor. SAR629 also inhibits 2-Arachidonoylglycerol (2-AG) degradation ^{[1][2]} .
In Vitro	SAR629 is a potent dual inhibitory action on MAGL and fatty acid amide hydrolase (FAAH). SAR629 inhibits rodent monoglyceride lipase (MGL) activity at subnanomolar potencies (IC ₅₀ values of 1.1 nM and 219 pM in rat and mouse brain membranes, respectively) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Niina Aaltonen, et al. Piperazine and piperidine triazole ureas as ultrapotent and highly selective inhibitors of monoacylglycerol lipase. *Chem Biol.* 2013 Mar 21;20(3):379-90.

[2]. T Bertrand, et al. Structural basis for human monoglyceride lipase inhibition. *J Mol Biol.* 2010 Feb 26;396(3):663-73.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA