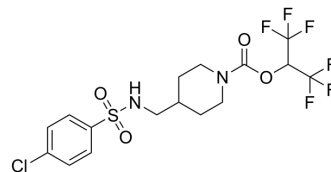


MAGL-IN-12

Cat. No.:	HY-116143
CAS No.:	1352011-38-1
Molecular Formula:	C ₁₆ H ₁₇ ClF ₆ N ₂ O ₄ S
Molecular Weight:	482.83
Target:	MAGL
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

SAR127303 is an orally active, selective, competitive monoacylglycerol lipase (MAGL) covalent inhibitor with IC₅₀s of 3.8 nM and 29 nM for mouse and human MAGL, respectively. SAR127303 potently elevates hippocampal levels of 2-AG in mice. SAR127303 decreased long term potentiation (LTP) of CA1 synaptic transmission and acetylcholine release in the hippocampus. SAR127303 produces antinociceptive effects in assays of inflammatory and visceral pain. SAR127303 slows down epileptogenesis^[1].

REFERENCES

[1]. Guy Griebel, et al. Selective blockade of the hydrolysis of the endocannabinoid 2-arachidonoylglycerol impairs learning and memory performance while producing antinociceptive activity in rodents. *Sci Rep.* 2015 Jan 6:5:7642.

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

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