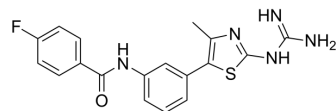


AZ1729

Cat. No.:	HY-121140
CAS No.:	2016864-46-1
Molecular Formula:	C ₁₈ H ₁₆ FN ₃ OS
Molecular Weight:	369.42
Target:	Free Fatty Acid Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AZ1729 is a potent free fatty acid 2 receptor (FFA2) activator, acting as a direct allosteric agonist and as a positive allosteric modulator. AZ1729 increases the activity of the endogenously produced short chain fatty acid propionate in G _i -mediated pathways, but not at those transduced by G _q /G ₁₁ . AZ1729 induces inhibition of isoproterenol-induced lipolysis in mouse adipocytes. AZ1729 also can induce migration of human neutrophils. AZ1729 can be used for researching the signaling pathways of the physiological roles of FFA2 ^[1] .
IC ₅₀ & Target	FFA2 ^[1]

REFERENCES

[1]. Bolognini D, Moss CE, Nilsson K, et al. A Novel Allosteric Activator of Free Fatty Acid 2 Receptor Displays Unique Gi-functional Bias. J Biol Chem. 2016;291(36):18915-18931.

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

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