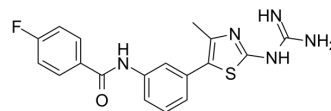


AZ1729

| | |
|--------------------|---|
| Cat. No.: | HY-121140 |
| CAS No.: | 2016864-46-1 |
| Molecular Formula: | C ₁₈ H ₁₆ FN ₅ OS |
| Molecular Weight: | 369.42 |
| Target: | Others |
| Pathway: | Others |
| 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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