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Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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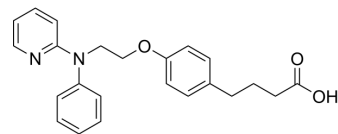
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GPR120 Agonist 5

Cat. No.:	HY-109692
CAS No.:	1079821-35-4
Molecular Formula:	C ₂₃ H ₂₄ N ₂ O ₃
Molecular Weight:	376.45
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

GPR120 Agonist 5 (compound 12) is an agonist targeting GPR120 (EC₅₀=1.2 μM). GPR120 Agonist 5 promotes the release of glucagon-like 1 (GLP-1) by binding to the GPR120 receptor, which in turn binds to its receptors on pancreatic beta cells, increasing insulin secretion and thereby lowering blood sugar levels. GPR120 Agonist 5 also helps reduce chronic low-grade inflammation, which plays an important role in the pathogenesis of obesity, insulin resistance, and type 2 diabetes. GPR120 Agonist 5 can be used to investigate the mechanism of action of GPR120 in metabolic and inflammatory diseases^{[1][2]}.

REFERENCES

[1]. Suzuki T, et al. Identification of G protein-coupled receptor 120-selective agonists derived from PPAR γ agonists[J]. Journal of medicinal chemistry, 2008, 51(23): 7640-7644.

[2]. Shimpukade B, et al. Discovery of a potent and selective GPR120 agonist[J]. Journal of medicinal chemistry, 2012, 55(9): 4511-4515.

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

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