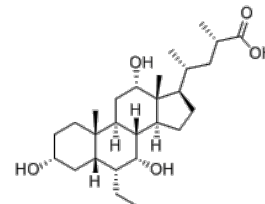


Product Name : INT-777
Cat. No. : PC-20450
CAS No. : 1199796-29-6
Molecular Formula : C₂₇H₄₆O₅
Molecular Weight : 450.66
Target : TGR5 (GPCR19, GPR131, GPBAR1)
Solubility : 10 mM in DMSO



Biological Activity

INT-777 (S-EMCA) is a potent, selective **TGR5** agonist with EC₅₀ of 0.82 μ M.

INT-777 (3 μ M) increases ATP production in the human enteroendocrine cell line NCI-H716 in a cAMP-dependent manner.

INT-777 induces GLP-1 release in enteroendocrine cells.

INT-777 (30 mg/kg, oral) stimulates the secretion of glucagon-like peptide 1 (GLP-1) in mice after a glucose challenge.

INT-777 increases energy expenditure and reduces hepatic steatosis and adiposity in mice subjected to diet-induced obesity.

INT-777 also stimulates insulin secretion in pancreatic β -cells, reduces inflammation and inhibits atherosclerosis in mice.

References

Pellicciari R, et al. *J Med Chem*. 2009 Dec 24;52(24):7958-61.

Pruzanski M, et al. *Cell Metab*. 2009 Sep;10(3):167-77.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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