

INT-777

Catalog No: tcsc3199



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1199796-29-6

Formula:

$C_{27}H_{46}O_5$

Pathway:

GPCR/G Protein

Target:

GPCR19

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 31 mg/mL (68.79 mM)

Alternative Names:

S-EMCA

Observed Molecular Weight:

450.65

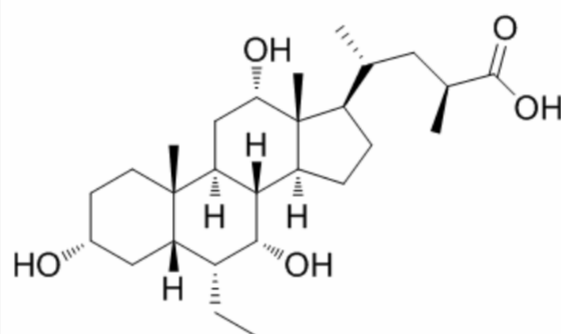
Product Description

INT-777 is a potent **TGR5** agonist with an **EC₅₀** of 0.82 μM .

IC50 & Target: EC50: 0.82 μM (TGR5)^[1]

In Vitro: INT-777 is a novel potent and selective TGR5 agonist with remarkable in vivo activity^[1]. INT-777 (3 μM) increases ATP production in the human enteroendocrine cell line NCI-H716 in a cAMP-dependent manner^[2]. INT-777 (10 μM) lowers Isc and increases TEER when added on the serosal side of seromuscular stripped distal colon segments. INT-777 effect on basal secretion is reduced in neuron-free and TTX-treated mucosal-submucosal preparations^[3].

In Vivo: INT-777 (1 $\mu\text{M}/\text{min}/\text{kg}$, p.o.) has a potent choleretic effect, prevents carboxyl CoA activation and subsequent conjugation, thereby favoring its cholehepatic shunt pathway with a ductular absorption and a potent choleretic effect in HF-fed TGR5-Tg male mice^[1]. INT-777 (30 mg/kg/day, p.o.) increases energy expenditure and reduces hepatic steatosis and obesity upon high fat feeding, and improves insulin sensitivity, in TGR5-Tg mice^[2].



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