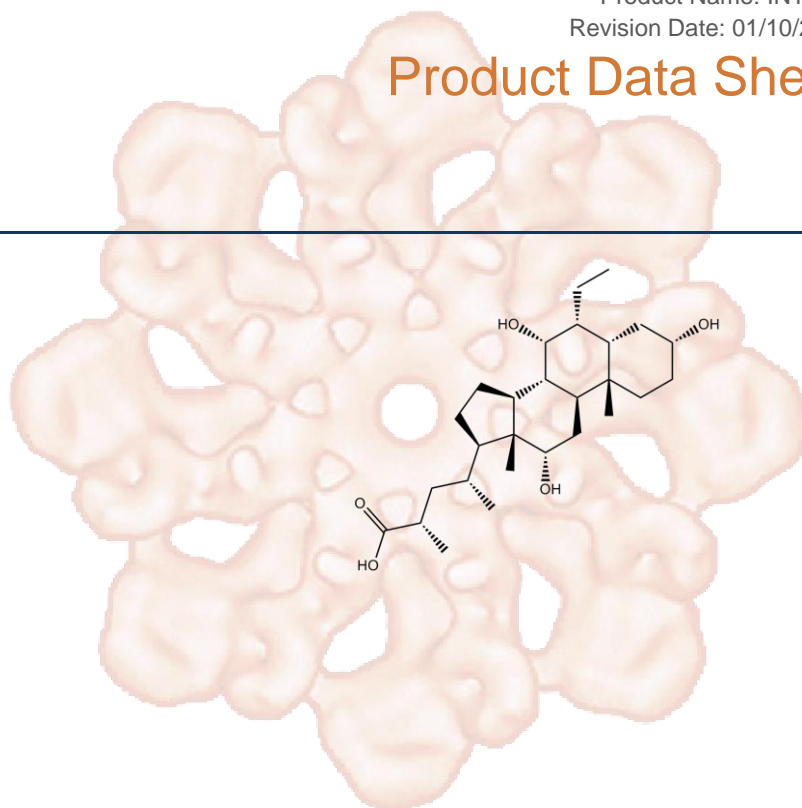


Product Data Sheet

INT-777

Cat. No.:	B4672
CAS No.:	1199796-29-6
Formula:	C ₂₇ H ₄₆ O ₅
M.Wt:	450.65
Synonyms:	
Target:	GPCR/G protein
Pathway:	GPCR19
Storage:	Store at -20°C



Solvent & Solubility

In Vitro

Soluble in DMSO

Preparing Stock Solutions	Mass		1mg	5mg	10mg
	Solvent	Concentration			
	1 mM		2.2190 mL	11.0951 mL	22.1902 mL
	5 mM		0.4438 mL	2.2190 mL	4.4380 mL
	10 mM		0.2219 mL	1.1095 mL	2.2190 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

TGR5 receptor agonist, potent and selective

 IC₅₀ & Target

In Vitro

Cell Viability Assay

Cell Line:	RAW264.7 cells
Preparation method:	Limited solubility. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Reacting conditions:	37°C
Applications:	Combined LPS-INT-777 treatment significantly attenuates the transient increase in mRNA levels for Tnfa, monocyte chemoattractant protein 1 (Mcp-1),

		Il-6, and Il-1b. INT-777 also markedly diminishes p65 translocation via TGR5 activation; in contrast to the unchanged the phosphorylation of c-Jun.
In Vivo	Animal experiment	
	Animal models:	TGR5 genetic models
	Dosage form:	30 mg/kg/day.
	Applications:	INT-777 inhibits atherosclerosis through activation of TGR5 in leukocytes. In Ldlr ^{-/-} mice transplanted with bone marrow of Tgr5 ^{+/+} mice, INT-777 treatment causes less vascular lesion, indicating the solid inhibitory effect of INT-777 on development of atherosclerosis.
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

1. Pols TW, Nomura M, Harach T et al. TGR5 activation inhibits atherosclerosis by reducing macrophage inflammation and lipid loading. Cell Metab. 2011 Dec 7;14(6):747-57.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

APExBIO Technology



www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com