上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话：021-61312973　　传真：021-55068248
网址：www.shyuanye.com
邮箱：shyysw@sina.com

产品名称：INT-767
产品别名：INT-767

生物活性：

Description	INT-767 is a dual farnesoid X receptor (FXR)/TGR5 agonist with mean EC50s of 30 and 630 nM, respectively[1][2].
In Vitro	INT-767 does not show cytotoxic effects in HepG2 cells, does not inhibit cytochrome P450 enzymes, is highly stable to phase I and II enzymatic modifications, and does not inhibit the human ether-a-go-go-related gene potassium channel[2].
In Vivo	INT-767 (10-20 mg/kg; i.p.; daily for 2 weeks) decreases plasma total cholesterol and triglyceride levels in db/m and db/db mice [2].

Animal Model:	Male 8-week old C57BKS/J db/db mice, control nondiabetic db/m mice[2]
Dosage:	10, 20 mg/kg
Administration:	Intraperitoneal injection; daily for 2 weeks
Result:	Decreased plasma total cholesterol and triglyceride levels.

Solvent&Solubility

In Vitro:

DMSO : ≥ 205.5 mg/mL (415.44 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.0216 mL	10.1080 mL	20.2159 mL
	5 mM	0.4043 mL	2.0216 mL	4.0432 mL
	10 mM	0.2022 mL	1.0108 mL	2.0216 mL

*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。

储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。

References

[1]. Baghdasaryan A, et al. Dual farnesoid X receptor/TGR5 agonist INT-767 reduces liver injury in the Mdr2-/- (Abcb4-/-) mousecholangiopathy model by promoting biliary HCO3- output. Hepatology. 2011 Oct;54(4):1303-1312.

[2]. Rizzo G, et al. Functional characterization of the semisynthetic bile acid derivative INT-767, a dual farnesoid X receptor andTGR5 agonist. Mol Pharmacol. 2010 Oct;78(4):617-630.