Data Sheet (Cat.No.T35337L)

TargetMol

Teduglutide acetate

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Teduglutide acetate, a GLP-2 analogue, maximizes small intestinal mucosal hypertrophy. Teduglutide acetate partially restores small intestinal epithelial function through an altered distribution of claudin-10, facilitating sodium recirculation for Na-coupled glucose transport and water absorption.
Targets(IC50)	Glucagon Receptor,Tight Junction Protein
In vivo	Teduglutide acetate reduced intestinal failure incidence in Nod2 k.o. mice. In wt mice, Teduglutide acetate attenuated intestinal insufficiency as indicated by reduced body weight loss and lower plasma aldosterone concentrations, lower stool water content, and lower stool sodium losses. Teduglutide acetate treatment was associated with enhanced epithelial paracellular pore function and enhanced claudin-10 expression in tight junctions in the villus tips, where it colocalized with sodium-glucose cotransporter 1 (SGLT-1), which mediates Na-coupled glucose transport[1].

Solubility Information

Solubility	DMSO: 1 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Reference

Reiner J, et al. Teduglutide Promotes Epithelial Tight Junction Pore Function in Murine Short Bowel Syndrome to Alleviate Intestinal Insufficiency. Dig Dis Sci. 2020 Dec;65(12):3521-3537.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481