

Teduglutide

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|----------------------|---|-----------------------------------|
| Cat. No.: | HY-P1624 | |
| CAS No.: | 197922-42-2 | |
| Molecular Formula: | $C_{164}H_{252}N_{44}O_{55}S$ | |
| Molecular Weight: | 3752.13 | HGDGSFSDEMNTILDNLAARDFINWLIQTKITD |
| Sequence Shortening: | HGDGSFSDEMNTILDNLAARDFINWLIQTKITD | |
| Target: | Others | |
| Pathway: | Others | |
| Storage: | Sealed storage, away from moisture and light, under nitrogen | |
| | Powder | -80°C 2 years -20°C 1 year |
| | * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen) | |

SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (13.33 mM; Need ultrasonic)
H₂O : 22.22 mg/mL (5.92 mM; ultrasonic and adjust pH to 2 with HCl)

| | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
|------------------------------|--------------------------|------|-----------|-----------|-----------|
| | | | | | |
| Preparing Stock Solutions | 1 mM | | 0.2665 mL | 1.3326 mL | 2.6652 mL |
| | 5 mM | | 0.0533 mL | 0.2665 mL | 0.5330 mL |
| | 10 mM | | 0.0267 mL | 0.1333 mL | 0.2665 mL |

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

BIOLOGICAL ACTIVITY

Description

Teduglutide is a dipeptidyl peptidase IV resistant glucagon-like peptide 2 (GLP-2) analogue. Teduglutide is associated with trophic effects on gut mucosa. Teduglutide can be used for the research of short bowel syndrome (SBS) and Crohn's disease (CD)^{[1][2]}.

REFERENCES

- [1]. Jeppesen PB, et al. Teduglutide (ALX-0600), a dipeptidyl peptidase IV resistant glucagon-like peptide 2 analogue, improves intestinal function in short bowel syndrome patients. Gut. 2005 Sep;54(9):1224-31.
- [2]. Buchman AL, et al; Teduglutide Study Group. Teduglutide, a novel mucosally active analog of glucagon-like peptide-2 (GLP-2) for the treatment of moderate to severe

Caution: Product has not been fully validated for medical applications. For research use only.

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