



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Linaclotide acetate

|                             |   |
|-----------------------------|---|
| <b>Cat. No.:</b>            | HY-17584A   |
| <b>CAS No.:</b>             | 851199-60-5   |
| <b>Molecular Formula:</b>   | C <sub>61</sub> H <sub>83</sub> N <sub>15</sub> O <sub>23</sub> S <sub>6</sub>                                |
| <b>Molecular Weight:</b>    | 1586.79   |
| <b>Sequence:</b>            | Cys-Cys-Glu-Tyr-Cys-Cys-Asn-Pro-Ala-Cys-Thr-Gly-Cys-Tyr (disulfide bridge: Cys1-Cys6; Cys2-Cys10; Cys5-Cys13) |
| <b>Sequence Shortening:</b> | CCEYCCNPACTGCV (disulfide bridge: Cys1-Cys6; Cys2-Cys10; Cys5-Cys13)  |
| <b>Target:</b>              | Guanylate Cyclase   |
| <b>Pathway:</b>             | GPCR/G Protein  |
| <b>Storage:</b>             | Please store the product under the recommended conditions in the Certificate of Analysis.                     |

### BIOLOGICAL ACTIVITY

#### Description

Linaclotide acetate is a potent and selective guanylate cyclase C agonist; developed for the treatment of constipation-predominant irritable bowel syndrome (IBS-C) and chronic constipation.

### REFERENCES

- [1]. Bryant AP, et al. Linaclotide is a potent and selective guanylate cyclase C agonist that elicits pharmacological effects locally in the gastrointestinal tract. *Life Sci.* 2010 May 8;86(19-20):760-5.
- [2]. Love BL, et al. Linaclotide: a novel agent for chronic constipation and irritable bowel syndrome. *Am J Health Syst Pharm.* 2014 Jul 1;71(13):1081-91.

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

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