

[illegible]

|                |                                                                                                                                                                                                                                                                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical name  | HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS (Ser-39 = C-terminal amide)<br><chem>)NC(=O)[C@H](CCSC)NC(=O)[C@H](CCC(=O)N)NC(=O)[C@H](CCCCN)NC(=O)[C@H](CO)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CC(=O)O)NC(=O)[C@H](CO)NC(=O)[C@H]([C@@H](C)O)NC(=O)[C@H](CC8=CC=CC=C8)NC(=O)[C@H]([C@@H](C)O)NC(=O)CNC(=O)[C@H](CCC(=O)O)NC(=O)CNC(=O)[C@H](CC9=CNC=N9)N</chem> |
| InChiKey       | HTQBXNHDCUEHJF-XWLPCZSASA-N                                                                                                                                                                                                                                                                                                                          |
| MDL number     | MFCD00240171                                                                                                                                                                                                                                                                                                                                         |
| Protein length | 39                                                                                                                                                                                                                                                                                                                                                   |

---

## References

**Exendin-4 is a high potency agonist and truncated exendin-(9-39)-amide an antagonist at the glucagon-like peptide 1-(7-36)-amide receptor of insulin-secreting beta-cells**

GÃ¶ke R *et al* (1993) J Biol Chem 268(26)  
**PubMedID** [8396143](#)

**Exendin-4, a glucagon-like peptide-1 receptor agonist, provides neuroprotection in mice transient focal cerebral ischemia**

Teramoto S *et al* (2011) J Cereb Blood Flow Metab 31(8)  
**PubMedID** [21487412](#)

**Pharmacology of exenatide (synthetic exendin-4): a potential therapeutic for improved glycemic control of type 2 diabetes**

Nielsen LL *et al* (2004) Regul Pept 117(2)  
**PubMedID** [14700743](#)

---