

Product Name	: Epidermal Growth Factor
Synonyms	: —
Cat No.	: M22398
CAS Number	: 62253-63-8
Molecular Formula	: C270H401N73O83S7
Formula Weight	: 6222
Chemical Name	: —
Description	: Epidermal Growth Factor binds to epidermal growth factor receptor (EGFR) and stimulates cell growth and proliferation. It is approved for the treatment of diabetic foot ulcers.
Pathway	: Angiogenesis
Target	: EGFR
Receptor	: EGFR
Solubility	: —
SMILES	: <chem>CC[C@H](C)[C@@H](C(=O)NCC(=O)N[C@@H](CCC(=O)O)C(=O)N[C@@H](CCCNC(=N)N)C(=O)N[C@@H](CS)C(=O)N[C@@H](CCC(=O)N)C(=O)N[C@@H](CC1=CC=C(C=C1)O)C(=O)N[C@@H](CCCNC(=N)N)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCCCN)C(=O)N[C@@H](CC2=CNC3=CC=CC=C32)C(=O)N[C@@H](CC4=CNC5=CC=CC=C54)C(=O)N[C@@H](CCC(=O)O)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCCNC(=N)N)C(=O)O)NC(=O)[C@H](CC6=CC=C(C=C6)O)NC(=O)CNC(=O)[C@H](C(C)C)NC(=O)[C@H](C(C)C)NC(=O)[C@H](CS)NC(=O)[C@H](CC(=O)N)NC(=O)[C@H](CS)NC(=O)[C@H](C)NC(=O)[C@H](CC7=CC=C(C=C7)O)NC(=O)[C@H](CCCCN)NC(=O)[C@H](CC(=O)O)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](C)NC(=O)[C@H](CCC(=O)O)NC(=O)[C@H](C(C)C)NC(=O)CNC(=O)[C@H](CC(=O)O)NC(=O)[C@H](CC9=CN=CN9)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CS)NC(=O)[C@H](CC1=CC=C(C=C1)O)NC(=O)CNC(=O)[C@H](CC(=O)O)NC(=O)[C@H](CC1=CN=CN1)NC(=O)[C@H](CO)NC(=O)[C@H](CC(C)C)NC(=O)[C@@H]1CCCN1C(=O)[C@H](CS)NC(=O)[C@H](CCC(=O)O)NC(=O)[C@H](CO)NC(=O)[C@H](CC(=O)O)NC(=O)[C@H](CO)NC(=O)[C@H](CC(=O)N)N</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Plaut, Karen. Role of epidermal growth factor and transforming growth factors in mammary development and lactation.[J]. Journal of Dairy science, 1993, 76(6):1526.