

Product Data Sheet

Product Name: Dynorphin B
 Cat. No.: GC15078

Chemical Properties

Cas. No. 83335-41-5

(2S,3Z,5S,6Z,8S,9Z,11S,12Z,14S,15Z,17S,18Z,20S,21Z,23S,24Z,26S,27Z,29S,30Z,33Z,36Z,38S)-
 Chemical Name 38-amino-11-(4-aminobutyl)-14,29-dibenzyl-20,23-bis(3-guanidinopropyl)-
 4,7,10,13,16,19,22,25,28,31,34,37-dodecahydroxy-17-(3-hydroxy-3-iminopropyl)-2-((R)-1-
 hydroxyeth

SMILES CC(C[C@@])(/N=C(O)/[C@])(/N=C(O)/C/N=C(O)/C/N=C(O)/[C@](N)([H])CC1=CC=C(O)C=C1([H])CC2=CC=CC=C2)([H])/C(O)=N/[C@@]/C(O)=N/[C@@]/C(O)=N/[C@@]/C(O)=N/[C@@]/C(O)=N/[C@@]/C(O)=N/[C@@]/C(O)=N/[C@@]/C(O)=N/[C@@]/C(O)=O)([H])[C@@](O)([H])C([H])C(C)C([H])

Formula C₇₄H₁₁₅N₂₁O₁₇

M.Wt 1570.85

Solubility DMF: 30 mg/mL, DMSO: 30 mg/mL, PBS (pH 7.2): 5 mg/mL

Storage Desiccate at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice Condition upon request.

Structure

Background

Dynorphin B (1-13) acts as an agonist on opioid κ-receptor.

Dynorphin B (1-13), a 13 amino acid, is an extraordinarily potent opioid peptide. The neurophysiological actions of Dynorphin B (1-13) have been the subject of considerable research effort[1].

References:

[1]. Chavkin C. Dynorphin--still an extraordinarily potent opioid peptide. Mol Pharmacol. 2013 Apr;83(4):729-36.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
 Address: 10292 Central Ave. #205, Montclair, CA, USA