

Product Data Sheet

Product Name: BPC 157 (acetate)

Cat. No.: GC46946

Chemical Properties

Cas. No. 1628202-19-6

SMILES C[C@@H](C(N[C@@H](CC(O)=O)C(N[C@@H](CC(O)=O)C(N[C@@H](C)C(NCC(N[C@@H](CC(C)C)C(N[C@@H](C(O)=O)C(C)C)=O)=O)=O)=O)NC([C@@H]1CCCN1C([C@@H](NC(CNC([C@@H]2N(C([C@@H]3CCCN3C([C@@H]4CCCN4C([C@@H](NC(CN)=O)C(C(O)=O)=O)=O)CCC2)=O)=O)CCCN)=O)=O.CC(O)=OC[C@@H](C(N[C@@H](CC(O)=O)C(N[C@@H](CC(O)=O)C(N[C@@H](C)C(NCC(N[C@@H](CC(C)C)C(N[C@@H](C(O)=O)C(C)C)=O)=O)=O)=O)=O)NC([C@@H]1CCCN1C([C@@H](NC(CNC([C@@H]2N(C([C@@H]3CCCN3C([C@@H]4CCCN4C([C@@H](NC(CN)=O)CCC(O)=O)=O)=O)CCC2)=O)=O)CCCN)=O)=O.CC(O)=O

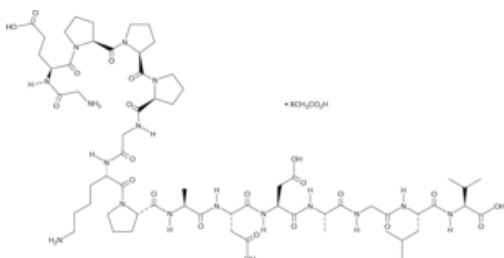
Formula C62H98N16O22.XC2H4O2 M.Wt 1419.5

Solubility Storage Store at -20°C

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

Structure



Background

Body protection compound 157 (BPC 157) is a pentadecapeptide fragment of BPC that has been found in gastric juice and has diverse biological activities.¹ It increases cell migration of, and F-actin formation in, primary rat tendon fibroblasts when used at a concentration of 2 µg/ml.² BPC 157 (0.01

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

Product Data Sheet

and 10 µg/kg, i.p.) reduces paw swelling, bone erosion, and inflamed joint mononuclear cell infiltration in a rat model of rheumatoid arthritis induced by complete Freund's adjuvant (CFA).³ It decreases the lesion size of gastric ulcers induced by indomethacin, aspirin, or diclofenac in rats at the same doses. BCP 157 (0.01 and 10 µg/kg, i.p.) decreases the duration of catalepsy and reduces tremor severity in a mouse model of Parkinson's disease induced by MPTP.⁴

1. Sikiric, P., Seiwerth, S., Rucman, R., et al. Brain-gut axis and pentadecapeptide BPC 157: Theoretical and practical implications. *Curr. Neuropharmacol.* 14(8):857-865(2016)
2. Chang, C.-H., Tsai, W.-C., Lin, M.-S., et al. The promoting effect of pentadecapeptide BPC 157 on tendon healing involves tendon outgrowth, cell survival, and cell migration. *J. Appl. Physiol.* 110(3):774-780(2011)
3. Sikiric, P., Seiwerth, S., Grabarevic, Z., et al. Pentadecapeptide BPC 157 positively affects both non-steroidal anti-inflammatory agent-induced gastrointestinal lesions and adjuvant arthritis in rats. *J. Physiol. (Paris)* 91(3-5):113-122(1997)
4. Sikiric, P., Marovic, A., Matoz, W., et al. A behavioural study of the effect of pentadecapeptide BPC 157 in Parkinson's disease models in mice and gastric lesions induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. *J. Physiol. (Paris)* 93(6):505-512(1999)

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