PRODUCT INFORMATION

Fibronectin CS1 Peptide Fragment (human, mouse, rat, bovine)

Item No. 46339

Formal Name: (3S,6S,9S,12S,15S)-15-amino-12-((S)-sec-butyl)-3-((S)-2-(((S)-1-(((1S,2R)-1-carboxy-2-hydroxypropyl)amino)-3-hydroxy-1-oxopropan-2-yl)carbamoyl)pyrrolidine-1-carbonyl)-6-(carboxymethyl)-9-isobutyl-2-methyl-5,8,11,14-tetraoxo-4,7,10,13-tetraazaoctadecan-18-oic acid, trifluoroacetate

Synonyms: CS1-A, Fibronectin Connecting Segment 1 Peptide Fragment, Fibronectin CS1 Peptide (1,978-1,985) (human, mouse), Glu-Ile-Leu-Asp-Val-Pro-Ser-Thr-OH

Peptide Sequence: EILDVPST-OH

MF: $C_{38}H_{64}N_8O_{15} \bullet XCF_3COOH$

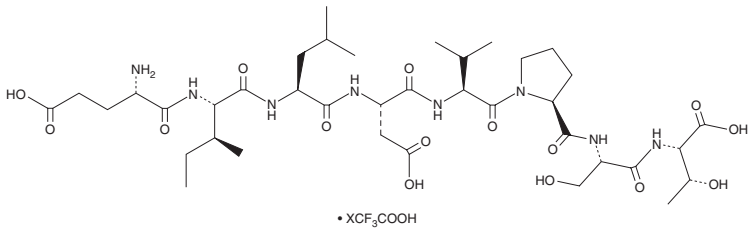
FW: 873.0

Purity: ≥98%

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Fibronectin CS1 peptide fragment (human, mouse, rat, bovine) is supplied as a solid. A stock solution may be made by dissolving the fibronectin CS1 peptide fragment (human, mouse, rat, bovine) in the solvent of choice, which should be purged with an inert gas. Fibronectin CS1 peptide fragment (human, mouse, rat, bovine) is sparingly soluble (1-10 mg/ml) in DMSO.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of fibronectin CS1 peptide fragment (human, mouse, rat, bovine) can be prepared by directly dissolving the solid in aqueous buffers. Fibronectin CS1 peptide fragment (human, mouse, rat, bovine) is sparingly soluble (1-10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Fibronectin CS1 peptide fragment is a peptide that corresponds to amino acids in the C-terminal region of connecting segment 1 (CS1) of fibronectin.[1] It inhibits cytokine-induced transendothelial migration of isolated human mononuclear leukocytes at 50 µg/well.[2] Fibronectin CS1 peptide fragment also inhibits the adhesion of B16/F10 melanoma cells to fibronectin.[3]

References

1. Humphries, M.J., Komoriya, A., Akiyama, S.K., *et al. J. Biol. Chem.* **262(14)**, 6886-6892 (1987).
2. Jørgensen, H.G., Remes, M.J., Elliott, M.A., *et al. Pharm. Pharmacol. Commun.* **5**, 625-629 (1999).
3. Komoriya, A., Green, L.J., Mervic, M., *et al. J. Biol. Chem.* **266(23)**, 15075-15079 (1991).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM