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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



KSL-128114 (trifluoroacetate salt)

Item No. 36984

Formal Name:	((S)-2-((S)-2-((S)-2-((S)-2-((S)-2-((R)-2-((S)-2-((R)-2-((S)-2-((R)-2-2-((R)-2-((S)-2-((R)-2-acetamido-5-guanidinopentanamido)-5-guanidinopentanamido)-5-guanidinopentanamido)-5-guanidinopentanamido)-6-aminohexanamido)-6-aminohexanamido)-5-guanidinopentanamido)-3-guanidinopentanamido)-3-hydroxypropanamido)-3-(1H-imidazol-5-yl)propanamido)-3-(1H-indol-3-yl)propanamido)-3,3-dimethylbutanamido)-2-cyclohexylacetyl)-L-aspartyl-L-isoleucine, trifluoroacetate salt	Ac—D-Arg—Arg—D-Arg—Gly—D-Arg—Lys—D-Lys—Arg—D-Arg—Ser—His—Trp—Tle—Chg—Asp—Ile—OH • XCF ₃ COOH
Synonyms:	Ac-rRrGrKkRrSHWX ₁ X ₂ DI-OH (X ₁ = <i>tert</i> -Leucine; X ₂ =Cyclohexylglycine)	
MF:	C ₉₆ H ₁₆₅ N ₃₉ O ₂₁ • XCF ₃ COOH	
FW:	2,201.6	
Purity:	≥95%	
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

KSL-128114 (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the KSL-128114 (trifluoroacetate salt) in the solvent of choice, which should be purged with an inert gas. KSL-128114 (trifluoroacetate salt) is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of KSL-128114 (trifluoroacetate salt) in these solvents is approximately 1 mg/ml.

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 KSL-128114 (trifluoroacetate salt) can be prepared by directly dissolving the solid in aqueous buffers. The solubility of KSL-128114 (trifluoroacetate salt) in PBS (pH 7.2) is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

KSL-128114 is a peptide inhibitor of the membrane regulator syntenin ($K_i = 300$ nM).¹ It reduces the percent viability of A2058 melanoma and patient-derived glioblastoma multiforme (GBM) cells in a concentration-dependent manner. KSL-128114 (50 μ M) increases animal survival time in a patient-derived xenograft (PDX) mouse model of GBM using patient-derived GBM cells cultured with KSL-128114 prior to intracranial implantation.

Reference

1. Haugaard-Kedström, L.M., Clemmensen, L.S., Sereikaite, V., *et al.* A high-affinity peptide ligand targeting syntenin inhibits glioblastoma. *J. Med. Chem.* **64**(3), 1423-1434 (2021).

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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