

Stac2-U-domain

Material Safety Datasheet

Catalogue No.: P010-700

Unit Size: 1 mg

Compound code	Stac2-U-domain peptide
Sequence	Ac-KVDPVYETLRYGTSLALMNRSS-NH ₂
N-terminus	Acetyl
C-terminus	Amide
Other modifications	None
Other/comments	
Counter Ion (if present):	TFA
Molecular mass (Av)	2541.888
Amount	18.2mg
Batch no	01
Purity (Determined by HPLC - see enc)	>98%
Physical properties	Lyophilised off-white powdered solid
Storage conditions	Store lyophilised at ≤ -20°C

Products for research use only (RUO) and are not intended for diagnostic or therapeutic use.

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Materials Safety Data Sheet

Section I: Product and Company Information

Compound code	Stac2-U-domain peptide: P010-700
Sequence	Ac-KVDPVYETLRYGTSLALMNRSS-NH2
Company	Badrilla Ltd 15 Queen Square Leeds LS2 8AJ UK
Telephone	+44 (0)7801 730618

Section II: Composition/Information on Ingredients

Summary	Synthetic peptide; hazards unknown. Avoid inhalation, eye and skin contact. Suitable for research purposes only.
Other ingredients	The product was purified in Acetonitrile and water containing 0.1 % Trifluoroacetic acid prior to lyophilisation. The product will therefore be present as its Trifluoroacetic acid salt.
CAS #	None/Unknown
LD50	N/A

Section III: Hazards Identification

For custom peptides, the chemical, physical and toxicological properties have not been investigated

Relevant routes of exposure include inhalation, ingestion, skin contact, and eye contact.

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Section IV: First Aid Measures

General information	No special measures required.
After inhalation	Supply fresh air; consult doctor in case of complaints.
After skin contact	Immediately wash with water and soap and rinse thoroughly. If skin irritation persists, call a doctor.
After eye contact	Rinse for several minutes under running water, then consult a doctor.
After ingestion	Induce vomiting and call for medical help.

Section V: Fire Fighting Measures

Flash point	Not available
Autoignition temp	Not available
Flammability	Not available
Extinguishing media	Water spray, carbon dioxide, dry chemical powder, or appropriate foam extinguishers.
Fire fighting protective equipment	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific hazard(s)	May emit toxic fumes under fire conditions.

Section VI: Accidental Release Measures

Person-related safety precautions	Wear appropriate personal protective equipment to minimize direct contact with skin or eyes and prevent inhalation of dust.
Measures for cleaning/collecting	Use damp cloth to clean up, place in a bag and hold for waste disposal. Avoid raising dust.

Section VII: Handling and Storage

Handling	Universal precautions should be followed when using this product.
Storage	Store according to the instructions in the customer report and/or product labelling.

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Section VIII: Exposure Controls and Personal Protection

General protective and hygienic measures	Keep away from foodstuffs and beverages. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.
Protection of hands	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.
Skin and body protection	Wear appropriate body protection to prevent skin contact.
Eye protection	Wear appropriate eye protection to prevent eye contact.

Section VIII: Physical and Chemical Properties

Melting point	N/A
Boiling point	N/A
Vapour pressure (mm Hg)	N/A
Vapour density (AIR=1)	N/A
Specific gravity (H2O=1)	Unknown
Solubility in water	Sparingly soluble. It is advised to dissolve in DMSO prior to the addition of water.
Appearance and odour	Off-white powdered solid

Section X: Stability and Reactivity

Stability	Stability unknown, Recommended storage at $\leq -20^{\circ}\text{C}$
Polymerization	Unknown
Hazardous decomposition products	Nature of decomposition products not known.

Section XI: Toxicological Information

For custom peptides the toxicological properties have not been investigated.

Skin contact	May cause skin irritation.
Skin absorption	May be harmful if absorbed through the skin.

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Inhalation

Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Section XII: Ecological Information

No information available

Section XIII: Disposal Considerations

Dispose in accordance with applicable laws.

Section XIV: Transport Information

RID/ADR: Non-hazardous for road transport.

IMDG: Non-hazardous for sea transport.

IATA: Non-hazardous for air transport.

Section XV: Regulations

Special training:

No special training is anticipated, however, the worker should be well instructed for the execution of this task, have knowledge of this Safety Data Sheet and normal training in use of personal protective equipment.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Peptide Protein Research Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

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