bio-techne
TOCRIS

Print Date: Aug 29th 2025

Certificate of Analysis

www.tocris.com

Product Name: **CCK Octapeptide, sulfated** **Catalog No.: 1166** **Batch No.: 27**

CAS Number: 25126-32-3 EC Number: 246-639-0

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{49}H_{62}N_{10}O_{16}S_3$

Batch Molecular Weight: 1142.2

Physical Appearance: White lyophilised solid

Counter Ion: Ammonium Acetate

Solubility: Soluble to 0.50 mg/ml in PBS (pH 7.4) with sonication

Storage: Store at -20°C

Peptide Sequence: Asp-Tyr(SO_3H)-Met-Gly-Trp-Met-Asp-Phe-NH_2

2. ANALYTICAL DATA

HPLC: Shows 98.5 % purity

Mass Spectrum: Consistent with structure

3. AMINO ACID ANALYSIS DATA

Amino Acid	Theoretical	Actual	Amino Acid	Theoretical	Actual
Ala	0.00	Not Detected	Lys	0.00	Not Detected
Arg	0.00	Not Detected	Met	2.00	1.98
Asx	2.00	2.07	Phe	1.00	0.98
Cys	0.00	Not Detected	Pro	0.00	Not Detected
Glx	0.00	Not Detected	Ser	0.00	Not Detected
Gly	1.00	0.97	Thr	0.00	Not Detected
His	0.00	Not Detected	Trp	1.00	0.52
Ile	0.00	Not Detected	Tyr	1.00	1.00
Leu	0.00	Not Detected	Val	0.00	Not Detected

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com
info@bio-techne.com
techsupport@bio-techne.com

North America
Tel: (800) 343 7475

China
info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa
Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
Tel:+1 612 379 2956

Product Name: **CCK Octapeptide, sulfated** **Catalog No.: 1166** **Batch No.: 27**

CAS Number: 25126-32-3 EC Number: 246-639-0

Description:

CCK Octapeptide, sulfated is an endogenous C-terminal octapeptide of CCK found in the central nervous system and gastrointestinal tract. Non-sulfated Peptide also available.

Physical and Chemical Properties:

Batch Molecular Formula: $C_{49}H_{62}N_{10}O_{16}S_3$

Batch Molecular Weight: 1142.2

Physical Appearance: White lyophilised solid

Peptide Sequence:

Asp-Tyr(SO_3H)-Met-Gly-Trp-Met-Asp-Phe-NH_2

Storage: Store at -20°C

Solubility & Usage Info:

Soluble to 0.50 mg/ml in PBS (pH 7.4) with sonication

This product is supplied in lyophilized form. It may appear as a solid, gel or film and be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Counter Ion: Ammonium Acetate

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Peptides in solution are much less stable than in lyophilized form. This is especially true for peptides whose sequences contain amino acids such Cys, Met,Trp, Asn, Gln, and N-terminal Glu.

Therefore we recommend storing peptides in solution for as short a time as possible. Avoid repeated freeze thaw cycles by dividing the peptide solution into aliquots and storing the aliquots at -20°C. Any portion of an aliquot unused after thawing should be discarded.

Peptides stored in solution can occasionally be susceptible to bacterial degradation. We recommend using sterile solutions or passing the peptide solution through a 0.2 µm filter to remove potential bacterial contamination whenever possible.

References:

Wank (1998) G-protein-coupled receptors in gastrointestinal physiology. I. CCK receptors: an exemplary family. Am.J.Physiol. ***274*** G607. PMID: 9575840.

Beinfel (1997) CCK biosynthesis and processing: recent progress and future challenges. Life Sci. ***61*** 2359. PMID: 9399627.

Gaw *et al* (1995) Characterization of the receptors and mechanisms involved in the cardiovascular actions of sCCK-8 in the pithed rat. Br.J.Pharmacol. ***115*** 660. PMID: 7582487.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use