

Material Safety Data Sheet

Rp-cAMPS

Date of issue: 09.11.2006

1 Substance and Company Name	
Substance	Rp-cAMPS, triethyl ammonium salt
Catalogue Number	A 002 T
Manufacturer	BIOLOG Life Science Institute - Forschungslabor und Biochemica-Vertrieb GmbH
Address	Flughafendamm 9a, P.O. Box 107125, D-28071 Bremen, Fed. Rep. Germany
Telephone	(0) 421 591355
Fax	(0) 421 5979713
Emergency Contact	Dr. Genieser (0) 421 591355 or (0) 4221 945829 (private)

2 Chemical Information	
Chemical Name	Adenosine-3', 5'-cyclic monophosphorothioate, Rp-isomer, triethyl ammonium salt
Formula	C ₁₀ H ₁₁ N ₅ O ₅ PS · C ₆ H ₁₆ N
Molecular Weight	446.5
Type of Product	Synthetic single organic compound
CAS Number	[151837-09-1]
HTS Number	29349990
Application	Signal transduction modulator for biochemical research

3 Potential Hazards	
Potential Hazards	No hazards if handled with care by trained laboratory workers.

4 First Aid Measures	
Eyes	Immediately flush with plenty of water. Contact physician.
Inhalation	Exposure extremely unlikely during proper handling, otherwise contact physician.
Skin	Immediately flush with plenty of water. Contact physician.
Ingestion	Contact physician.

5 Fire-Fighting Hazards	
Potential Hazards	No hazards possible.

6 Accidental Release Measures	
Personal Precautions	Wear appropriate protection means such as rubber gloves and protective goggles.
Environmental Precautions	No special care necessary.
Cleaning Methods	Wipe clean with moist paper towel and dispose according to regulations.

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7 Handling and Storage	
Handling	To be handled by trained laboratory workers only.
Storage	Store in glass or plastic ampoule in a freezer at approx. -30°C.

8 Personal Protection	
Respiratory Protection	No protection necessary if handled with care by trained laboratory workers.
Eye Protection	Use protective goggles.
Hand Protection	Use rubber gloves.
Skin Protection	Usual laboratory protection clothes.

9 Physical and Chemical Characteristics	
Appearance	Powder
Color	White
Odor	No
pH (100g/l water)	Neutral
Boiling point	No
Melting point	No
Flash point	No
Flammability	No
Autoflammability	No
Explosive Properties	No
Oxidizing Properties	No
Vapor Pressure	No
Specific Gravity	Not determined
Bulk Density	-
Solubility in Water	≥ 160 mM
Partition Coefficient	-
Viscosity	-
Refractive Index	-
Optical Rotation	-
Electrical Conductivity	-

10 Stability and Reactivity	
Thermic Decomposition	Yes
Dangerous Decomposition	Not known
Hazardous Polymerization	No
Dangerous Reactions	No
Storage Stability	May be oxidized to cAMP with approx. 0.2% / year.

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11 Toxicological Information	
Potential Routes of Entry	Skin and eyes (contact with spilled solutions while unprotected)
Health Hazard	Unknown
LD 50 oral rat	Not yet determined
LD 50 dermal rabbit	Not yet determined
Carcinogenicity	Not known
Symptoms of Exposure	Not known

12 Ecological Information	
Biological Decomposition	Not known
Precautions	No special precautions necessary if handled with care by trained laboratory workers.

13 Waste Disposal Method	
Disposal Methods	Incineration or disposal in conformance with federal state or local regulations.

14 Transport Information	
UN Number	-
GGVSea/IMDG Code	-
ICAO/IATA-DGR	-
GGVE/GGVS	-
RID/ADR	-
ADNR	-
EINECS	-

15 Regulatory Information	
Attached Label	Rp-cAMPS, TEA salt

16 Other Data	
Reason for Alteration	General update
Accuracy of Information	All Information provided is given in good faith but without warranty.
	For more detailed information contact the manufacturer.