

(+/-)8(9)-EE-14(Z)-E biochemical

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CATALOG #
AAA227173

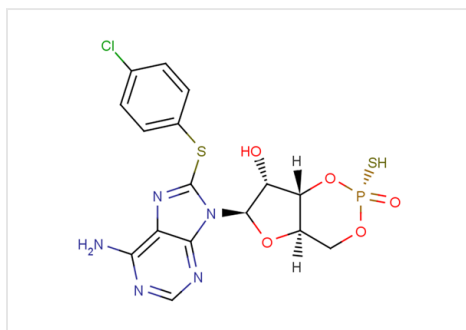
PRODUCT SYNONYMS

(+/-)8(9)-EE-14(Z)-E; (+/-)8(9)-EE-14(Z)-E biochemical

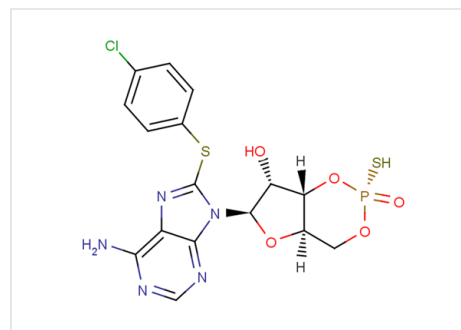
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMF: 10 mg/mL
	PBS (pH 7.2): 0.5 mg/mL
	DMSO: 10 mg/mL
	Ethanol: 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Rp-8-CPT-cAMPS, CAS 129735-01-9



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Rp-8-CPT-cAMPS, CAS 129735-01-9

ADDITIONAL INFORMATION

Related Product Information for (+/-)8(9)-EE-14(Z)-E biochemical	(+/-)14(15)-EE-8(Z)-E is a potent vasodilator in bovine coronary arteries. The synthesis of this analog involves the formation of the epoxide at the 14,15-double bond, however, epoxidation can also occur at the 8,9-double bond. (+/-)8(9)-EE-14(Z)-E is a minor product from the synthesis of (+/-)14(15)-EE-8(Z)-E. This compound has not been reported in the literature, and its biological activity is not known. It may serve as a tool to verify that the parent compound, (+/-)14(15)-EE-8(Z)-E, is pure and does not contain the 8,9-epoxy regioisomer.
References	1. Dostmann WR, et, al. Probing the cyclic nucleotide binding sites of cAMP-dependent protein kinases I and II with analogs of adenosine 3',5'-cyclic phosphorothioates. J Biol Chem. 1990 Jun 25;265(18):10484-91. 2. Roscioni SS, et, al. PKA and Epac cooperate to augment bradykinin-induced interleukin-8 release from human airway smooth muscle cells. Respir Res. 2009 Sep 29;10(1):88. 3. Chaisakul J, et, al. In vivo and in vitro cardiovascular effects of Papuan taipan (Oxyuranus scutellatus) venom: Exploring sudden collapse". Toxicol Lett. 2012 Sep 3;213(2):243-8."

NCBI AND UNIPROT INFORMATION

Molecular Weight	487.88
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/8-9-ee-14-z-e/227173>