
Product Data Sheet

Product Name: Rp-8-bromo-Cyclic AMPS (sodium salt)

Cat. No.: GC44852

Chemical Properties

Cas. No. 925456-59-3

SMILES O[C@H]1[C@H](N2C(Br)=NC3=C2N=CN=C3N)O[C@H]4[C@H]1O[P@@](OC4)([S-])=O.[Na+]Formula $C_{10}H_{10}BrN_5O_5PS \cdot Na$ M.Wt 446.1

Solubility DMF: 30 mg/ml, DMSO: 25 mg/ml, Ethanol: 0.5 mg/ml, PBS (pH 7.2): 10 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Rp-8-bromo-Cyclic AMPS (Rp-8-bromo-cAMPS) is a cell-permeable cAMP analog that combines an exocyclic sulfur substitution in the equatorial position of the cyclophosphate ring with a bromine substitution in the adenine base of cAMP. It acts as an antagonist of cAMP-dependent protein kinases (PKAs) and is resistant to hydrolysis by cyclic nucleotide phosphodiesterases. Rp-8-bromo-cAMPS more effectively antagonizes cAMP-dependent activation of purified PKA type I from rabbit muscle than PKA type II from bovine heart.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA