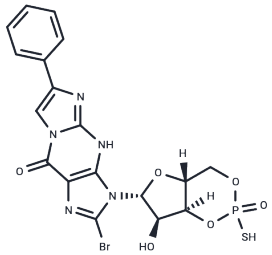
Data Sheet (Cat.No.T88611)

TargetMol

Sp-8-Br-PET-cGMPS

Chemical Properties



CAS No. : 172806-21-2

Formula: C18H15BrN5O6PS

Molecular Weight: 540.28

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Sp-8-Br-PET-cGMPS is a membrane-permeable PKG activator and an inhibitor of the membrane-permeable retinal cGMP-gated ion channels (cGMP-gated ion channel). It also serves as an activator for cGMP-dependent protein kinase I α and β. Resistant to mammalian cyclic nucleotide-dependent phosphodiesterases, Sp-8-Br-PET-cGMPS does not undergo metabolic side effects and exhibits stronger lipophilicity and permeability compared to Sp-8-pCPT-cGMPS. This compound is useful for investigating the role of the cGMP signaling pathway in the nervous system.
Targets(IC50)	PKA

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8509 mL	9.2545 mL	18.5089 mL
5 mM	0.3702 mL	1.8509 mL	3.7018 mL
10 mM	0.1851 mL	0.9254 mL	1.8509 mL
50 mM	0.037 mL	0.1851 mL	0.3702 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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