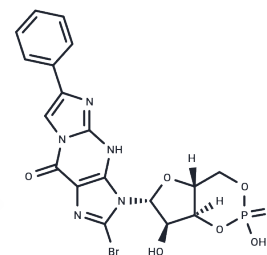


## 8-Br-PET-cGMP

## Chemical Properties

CAS No. :	144510-04-3
Formula:	C <sub>18</sub> H <sub>15</sub> BrN <sub>5</sub> O <sub>7</sub> P
Molecular Weight:	524.22
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	8-Br-PET-cGMP is an agonist of type I cyclic GMP-dependent protein kinase (cGKI), which promotes the dimerization and activation of the catalytic activity of cGKI by binding to its regulatory domain. This compound is utilized to investigate the role of the cGMP signaling pathway in cell growth, vasodilation, and smooth muscle cell functions.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9076 mL	9.538 mL	19.076 mL
5 mM	0.3815 mL	1.9076 mL	3.8152 mL
10 mM	0.1908 mL	0.9538 mL	1.9076 mL
50 mM	0.0382 mL	0.1908 mL	0.3815 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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