

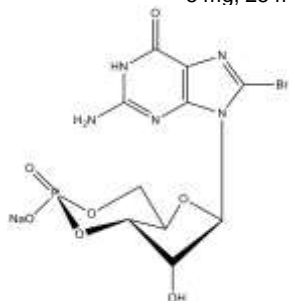
8-Br-cGMP

ALTERNATE NAME: 8- Bromoguanosine- 3', 5'- cyclic monophosphate, cyclic 8-bromoguanosine- 3', 5'- monophosphate, 8- bromoguanosine- 3', 5'-monophosphate

CATALOG #: 1838-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₀H₁₀BrN₅O₇P. Na

MOLECULAR WEIGHT: 446.08

CAS NUMBER: 51116-01-9

APPEARANCE: White to off-white powder

SOLUBILITY: Water (~25 mg/ml) or aqueous buffers

PURITY: ≥95% by TLC

STORAGE: Store at -20 °C

DESCRIPTION: A cell-permeable cGMP analog having greater resistance to hydrolysis by phosphodiesterases than cGMP. Activates cGMP-dependent protein kinase (PKG), slows or inhibits the intracellular calcium oscillations of tracheal smooth muscle cells in response to acetylcholine. It inhibits thrombin stimulated arachidonic acid release in human platelets.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Anisomycin (**Cat. No. 1549-10**)
- Arachidonic Acid (**Cat. No. 1505-100**)
- Aurintricarboxylic Acid (**Cat. No. 1506-1000**)
- 8-Br-cAMP (**Cat. No. 1737-5, 25**)