PET-cGMP-8-TMAmd-$(EO)_8$-EAmdMT-8-cGMP-PET

Polymer-linked dimeric (PLD) cGMP analogue

Polymer-linked dimeric (PLD) cGMP analogue in which two cGMP units are linked by a spacer with 8 ethylene oxide units via thioethers at the C8 positions. In addition, β-phenyl-1,N2-etheno (PET) groups have been attached to both guanine nucleobases.
Membrane-permeant cGMP dimer with enhanced PKG activation properties by addressing two binding sites simultaneously with a single molecule. Activation constants of PET-cGMP-8-TMAmd-$(EO)_8$-EAmdMT-8-cGMP-PET in vitro on purified cGMP-dependent protein kinase (PKG) isozymes were measured to be in the range of < 1 nM (PKG1α and PKG1β) and ~35 nM (PKG2), respectively (BIOLOG in-house data).

BLG-P054-05 (5 x 1 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

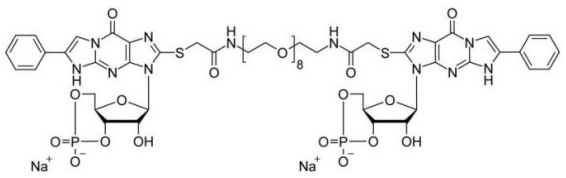
Ordering Information

Order Online »

BLG-P054-01	1µmol
BLG-P054-05	5x1µmol

Manuals, SDS & CofA

View Online »



Handling & Storage

Long Term Storage -20°C

Shipping Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name β-Phenyl-1,N2-ethenoguanosine-3′,5′-cyclic monophosphate-[8-thiomethylamido-(octaethoxy)-ethylamidomethylthio-8]-β-phenyl-1,N2- ethenoguanosine-3′,5′-cyclic monophosphate . sodium salt

Couple Type Modified nucleotides

Formula $C_{58}H_{70}N_{12}O_{24}P_2S_2 \cdot Na_2$

MW 1491.3

Purity > 98% HPLC

Technical Info / Product Notes For the Original Manufacturer's data sheet please click here.

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