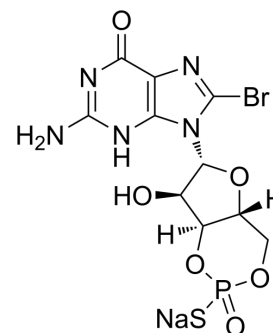


## Rp-8-Br-cGMPS sodium salt

Cat. No.:	HY-135110
CAS No.:	208445-06-1
Molecular Formula:	C <sub>10</sub> H <sub>10</sub> BrN <sub>5</sub> NaO <sub>6</sub> PS
Molecular Weight:	462.15
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Rp-8-Br-cGMPS (Rp-8-bromo-Cyclic GMPS) sodium salt is a potent Ca<sup>2+</sup>-ATPase activator. Rp-8-Br-cGMPS sodium salt mediates cytosolic Ca<sup>2+</sup> reduction by activating Ca<sup>2+</sup>-ATPase and subsequently removing Ca<sup>2+</sup> from the cell<sup>[1]</sup>.

### REFERENCES

[1]. Rashatwar SS, et, al. Effects of 8-bromo-cGMP on Ca<sup>2+</sup> levels in vascular smooth muscle cells: possible regulation of Ca<sup>2+</sup>-ATPase by cGMP-dependent protein kinase. Proc Natl Acad Sci U S A. 1987 Aug;84(16):5685-9.

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

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