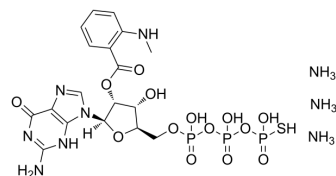


## Mant-GTPyS triammonium

Cat. No.:	HY-115748A
Molecular Formula:	C <sub>18</sub> H <sub>32</sub> N <sub>9</sub> O <sub>14</sub> P <sub>3</sub> S
Molecular Weight:	723.48
Target:	Adenylate Cyclase
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Mant-GTPyS triammonium, a GTP mimetic, is a potent competitive adenylyl cyclase (AC) inhibitor. Mant-GTPyS triammonium is a potent YdeH inhibitor<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Andreas Gille, et al. 2'(3')-O-(N-methylanthraniloyl)-substituted GTP analogs: a novel class of potent competitive adenylyl cyclase inhibitors. *J Biol Chem.* 2003 Apr 11;278(15):12672-9.
- [2]. Tomoharu Kanie, et al. The CEP19-RABL2 GTPase Complex Binds IFT-B to Initiate Intraflagellar Transport at the Ciliary Base. *Dev Cell.* 2017 Jul 10;42(1):22-36.e12.
- [3]. Christian Spangler, et al. Interaction of the diguanylate cyclase YdeH of Escherichia coli with 2',(3')-substituted purine and pyrimidine nucleotides. *J Pharmacol Exp Ther.* 2011 Jan;336(1):234-41.

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

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