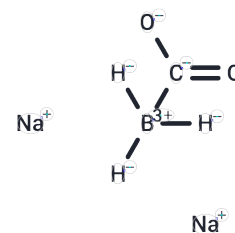


## CORM-A1

## Chemical Properties

CAS No. :	17363-08-5
Formula:	CH <sub>3</sub> BNa <sub>2</sub> O <sub>2</sub>
Molecular Weight:	103.82
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	CORM-A1 (Sodium boranocarbonate) is a water-soluble carbon monoxide (CO) releasing molecule that facilitates the study of CO's effects on cellular systems. As CO is produced by the degradation of heme by heme oxygenase, it serves as a crucial gaseous signaling mediator in mammalian cells. CORM-A1 not only possesses antioxidant and anti-inflammatory properties but also modulates CO release in a pH and temperature-dependent manner, promoting mild vasodilation and hypotension. Additionally, CORM-A1 has been shown to provide cellular protection in primary cultures of astrocytes under oxidative stress, enhancing autophagy due to its boron content.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.6321 mL	48.1603 mL	96.3206 mL
5 mM	1.9264 mL	9.6321 mL	19.2641 mL
10 mM	0.9632 mL	4.816 mL	9.6321 mL
50 mM	0.1926 mL	0.9632 mL	1.9264 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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