## Exo2

Cat. No.:	HY-137975		
CAS No.:	304684-77-	3	
Molecular Formula:	C <sub>18</sub> H <sub>18</sub> N <sub>4</sub> O <sub>2</sub> S	5	
Molecular Weight:	354.43		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

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## **SOLVENT & SOLUBILITY**

		Solvent Mass Concentration	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.8214 mL	14.1072 mL	28.2143 mL
		5 mM	0.5643 mL	2.8214 mL	5.6429 mL
		10 mM	0.2821 mL	1.4107 mL	2.8214 mL

 BIOLOGICAL ACTIVITY

 Description

 Exo2 is a secretion inhibitor. Exo2 perturbs trafficking of Shiga toxin between endosomes and the trans-Golgi network. Exo2 blocks secretory cargo exit from the ER (endoplasmic reticulum) and disrupts the Golgi apparatus, but does not affect the morphology of the TGN (trans-Golgi network) Exo2 can stimulate calcium-dependent exocytosis in permeabilized adrenal chromaff in cells<sup>[1][2]</sup>.

## REFERENCES

[1]. Spooner RA, et al. The secretion inhibitor Exo2 perturbs trafficking of Shiga toxin between endosomes and the trans-Golgi network. Biochem J. 2008 Sep 15;414(3):471-84.

[2]. Morgan A, et al. Exo1 and Exo2 proteins stimulate calcium-dependent exocytosis in permeabilized adrenal chromaffin cells. Nature. 1992 Feb 27;355(6363):833-6.

N-NH

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

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