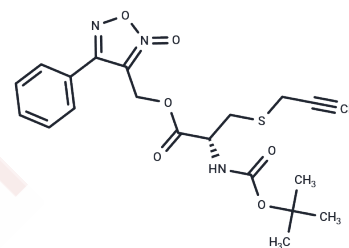


ZYZ-803

## Chemical Properties

CAS No. : 2088043-51-8  
 Formula: C<sub>20</sub>H<sub>23</sub>N<sub>3</sub>O<sub>6</sub>S  
 Molecular Weight: 433.48  
 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	ZYZ-803 is a slow H <sub>2</sub> S-NO-releasing hybrid, attenuating cardiac dysfunction after heart failure.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3069 mL	11.5346 mL	23.0691 mL
5 mM	0.4614 mL	2.3069 mL	4.6138 mL
10 mM	0.2307 mL	1.1535 mL	2.3069 mL
50 mM	0.0461 mL	0.2307 mL	0.4614 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.

## Reference

- Wu D, Hu Q, Xiong Y, Zhu D, Mao Y, Zhu YZ. Novel H(2)S-NO hybrid molecule (ZYZ-803) promoted synergistic effects against heart failure. *Redox Biol.* 2018 May;15:243-252. doi: 10.1016/j.redox.2017.11.020. Epub 2017 Dec 14. PubMed PMID: 29288927; PubMed Central PMCID: PMC5975222.
- Hu Q, Wu D, Ma F, Yang S, Tan B, Xin H, Gu X, Chen X, Chen S, Mao Y, Zhu YZ. Novel Angiogenic Activity and Molecular Mechanisms of ZYZ-803, a Slow-Releasing Hydrogen Sulfide-Nitric Oxide Hybrid Molecule. *Antioxid Redox Signal.* 2016 Sep 10;25(8):498-514. doi: 10.1089/ars.2015.6607. Epub 2016 Jun 29. PubMed PMID: 27174595.
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