

# PRODUCT INFORMATION

SD1

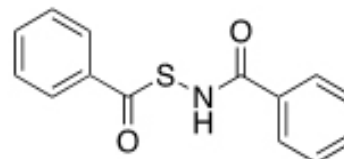
WSU OC#: 1157

(Hydrogen Sulfide Donor 1)

[compound 5a]

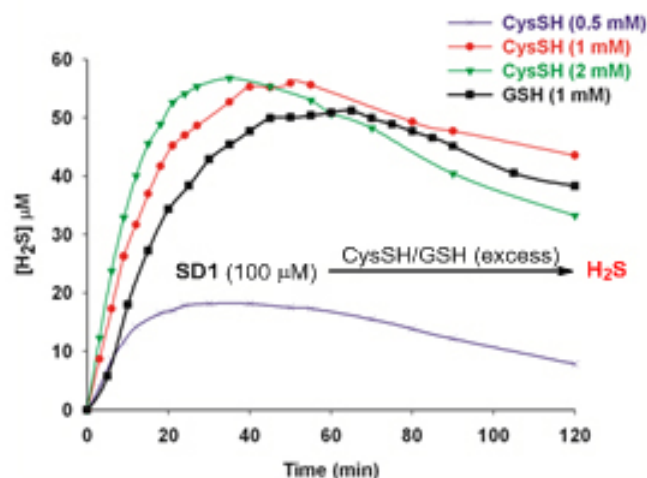
name  
phone number  
email  
etc

MF:  $C_{14}H_{11}NO_2S$   
MW: 257.31  
Purity:  $\geq 98\%$   
Stability:  $\geq 2$  year at  $-20^{\circ}C$   
Supplied as: solid, ??mg



## Storage and Use

SD1 can be stored as supplied at  $-20^{\circ}C$ . It should be stable for at least two years. The stock solution of the reagent may be made by dissolving it in the solvents of choice. SD1 is soluble in organic solvents such as DMSO. SD1 is a thiol-activated hydrogen sulfide ( $H_2S$ ) donor. The use of SD1 for hydrogen sulfide release is described in ref 1 and ref 2.



## References

1. Zhao, Y.; Wang, H.; Xian, M. *J. Am. Chem. Soc.*, **2011**, *133*, 15.
2. Zhao, Y.; Yang, C.; Organ, C.; Li, Z.; Bhushan, S.; Otsuka, H.; Pacheco, A.; Kang, J.; Aguilar, H. C.; Lefer, D. J.; Xian, M. *J. Med. Chem.*, **2015**, *58*, 7501-7511.

## Warning

This product is for laboratory research only. It is not for human or veterinary diagnostic or therapeutic use.

## Safety Data

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This is only a portion of the information required for safe and proper use of this material. Users are required to review the complete Material Safety Data Sheet which is available at: [enter web address]