


## Data Sheet

### Product Information

Catalog Number	BP10822
Product Name	Desmethylanethol trithione
Description	ADT-OH is a derivative of anethole dithiolethione (ADT) and synthetic hydrogen sulfide (H <sub>2</sub> S) donor. In the in vitro glucose-oxygen deprivation (OGD) model, ADT-OH markedly attenuated tPA-enhanced Akt activation and VEGF expression in brain microvascular endothelial cells. Finally, ADT-OH improved functional outcomes in mice subjected to MCAO and tPA infusion. H <sub>2</sub> S donors reduced tPA-induced cerebral hemorrhage by possibly inhibiting the Akt-VEGF-MMP9 cascade. Administration of H <sub>2</sub> S donors has potential as a novel modality to improve the safety of tPA following the stroke.
Synonyms	ADT-OH
CAS No.	18274-81-2
Chemical Formula	C <sub>9</sub> H <sub>6</sub> OS <sub>3</sub>
Molecular Weight	226.33
Solubility	DMSO: 10 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

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