

Serendipitous Formation of the Cyclic Sulfite DIMTH(SO₃) by Reaction of DIMTH(OH)₂ with SOCl₂

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Cyclic Sulfite, X-Ray Data, Tartaric Acid

The reaction of the acetonide protected derivative of tartaric acid, DIMTH(OH)₂ (**1**) (1,6-di-desoxy-3,4-O-isopropylidene-2,5-di-C-methyl-threo-hexitol), with SOCl₂/NEt₃ does not lead to the expected dichlorinated species **2**, but affords the cyclic sulfite DIMTH(SO₃) (**3**) ((1*R*, 7*R*)-9,9-dimethyl-4-oxide-2,2,6,6-tetramethyl-4-thia-3,5,8,10-tetraoxabicyclo-[5,3,0]decane) as indicated by X-ray structural analysis.