

Product Data Sheet

Product Name: Triacetylphloroglucinol

Cat. No.: GC45583

Chemical Properties

Cas. No. 2161-87-7

SMILES CC(=O)C1=C(C(=O)O)C(O)=C(C(=O)O)C(O)=C1C(=O)C

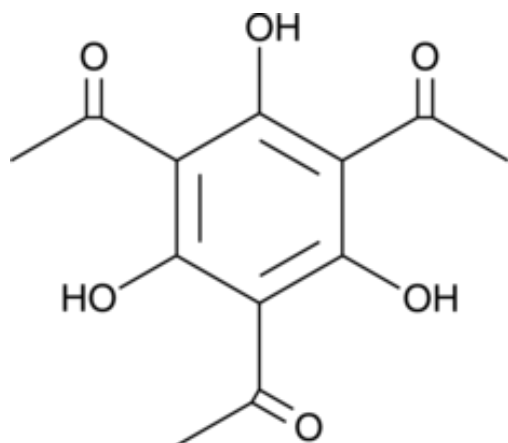
Formula C₁₂H₁₂O₆ M.Wt 252.2

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Triacetylphloroglucinol is a C₃-symmetric tritopic bridging ligand.^{1,2,3} It has been used in the synthesis of various compounds, including trinuclear vanadium Schiff base complexes, copper complexes, and anthelmintics.

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

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References

1. Spielberg, E.T., and Plass, W. 2,4,6-Triacetylphlorogucinol as threefold symmetric bridging ligand: Synthesis, structure and magnetic properties of the copper complex. *Eur. J. Inorg. Chem.* 20, 3093-3096 (2010).
2. Suresh, P., Srimurugan, S., Babu, B., et al. Asymmetric sulfoxidation of prochiral sulfides using aminoalcohol derived chiral C3-symmetric trinuclear vanadium Schiff base complexes. *Tetrahedron: Asymmetry* 18(23), 2820-2827 (2007).
3. Bowden, K., Broadbent, J.L., and Ross, W.J. Some simple anthelmintics. *Br. J. Pharmacol. Chemother.* 24, 714-724 (1965).

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