Product Data Sheet

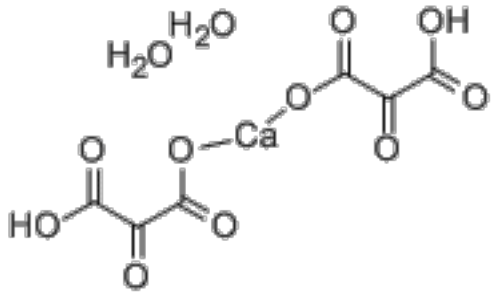
Product Name: Calcium Mesoxalate Trihydrate
Cat. No.: GF15577

Chemical Properties

Cas. No.	21085-60-9		
Formula	C3H2CaO6·3H2O	M.Wt	174.12(asAnhydrous)
Solubility		Storage	Store at RT

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

Calcium mesoxalate trihydrate (Ketomalonic acid; Mesoxalic acid; Oxomalonic acid) can promote B cell proliferation and has potential anti-diabetic activity. Derivatives of Calcium mesoxalate trihydrate also inhibit the translocation of HIC-1 reverse transcriptase.

[1]. KOBAYASHI Y, OHASHI S, TAKEUCHI S, et al. Toxicity of mesoxalates and histological observations after continuous administration[J]. The Japanese Journal of Pharmacology, 1955, 4(2): 111-117.

[2]. Bernatchez J A, Paul R, Tchesnokov E P, et al. Derivatives of mesoxalic acid block translocation of HIV-1 reverse transcriptase[J]. Journal of Biological Chemistry, 2015, 290(3): 1474-1484.

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