
Product Data Sheet

Product Name: 16,16-dimethyl Prostaglandin E1

Cat. No.: GC18777

Chemical Properties

Cas. No. 41692-15-3

Chemical Name 9-oxo-11 α ,15R-dihydroxy-16,16-dimethyl-prost-13E-en-1-oic acidSMILES CCCCC(C)(C)C(O)\C=C[C@H]1C(O)CC(=O)C1CCCCCCC(=O)OFormula C₂₂H₃₈O₅

M.Wt 382.5

Solubility	DMF` : >100 mg/ml (from PGE1),DMSO: >50 mg/ml (from PGE1),Ethanol: >50 mg/ml (from PGE1),PBS pH 7.2: >1.6 mg/ml (from PGE1)	Store Storage at - 20°C
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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**

16,16-dimethyl PGE1 is a metabolically stable synthetic analog of PGE1. It induces human vascular smooth muscle contractions in vitro. It is 2, 3, and 6 times more potent than PGF2 α in contracting tracheal, bronchial, and bronchiolar smooth muscle, respectively.

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

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