
Product Data Sheet

Product Name: Carbocyclic Thromboxane A2

Cat. No.: GC18837

Chemical Properties

Cas. No. 74034-56-3

Chemical Name 9 α ,11 α -methylene-15S-hydroxy-11a-deoxy-11a-methylene-thromba-5Z,13E-dien-1-oic acidSMILES CCCC[C@H](O)/C=C/[C@H]1C[C@H]2C[C@H](C2)[C@@H]1C/C=C\CCCC(O)=OFormula C₂₂H₃₆O₃ M.Wt 348.5Solubility DMF: >50 mg/ml (from Pinane TXA2),DMSO: >25 mg/ml Store
(from Pinane TXA2),Ethanol: >100 mg/ml (from Pinane Storage at -
TXA2),PBS pH 7.2: >100 μ g/ml (from Pinane TXA2) 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**

CTA2 is a stable analog of TXA2. CTA2 is a potent coronary vasoconstrictor and is effective at concentrations as low as 1 nM in cat coronary arteries. Unlike other vascular TP receptor agonists, CTA2 is a potent inhibitor of prostanoid-induced platelet aggregation. It inhibits arachidonic acid-induced aggregation with an IC₅₀ value of 4-5 μ M. CTA2 also exhibits selective and dose-dependent inhibition of TXB₂ synthesis in rabbit platelets at concentrations between 1 and 100 μ M.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA