
Product Data Sheet

Product Name: CAY10397

Cat. No.: GC18549

Chemical Properties

Cas. No. 78028-01-0

Chemical Name 5-[[4-(ethoxycarbonyl)phenyl]azo]-2-hydroxy-benzeneacetic acid

SMILES OC1=C(CC(O)=O)C=C(N=NC2=CC=C(C(OCC)=O)C=C2)C=C1Formula C₁₇H₁₆N₂O₅ M.Wt 328.3Solubility 0.1 M Na₂CO₃: 200 μg/ml, DMF: 35 mg/ml, DMSO: 25 mg/ml, Ethanol: 10 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**

Prostaglandins are rapidly inactivated in vivo by the action of 15-hydroxy prostaglandin dehydrogenase (15-hydroxy PGDH). This enzyme oxidizes the 15-hydroxyl group and hydrogenates the 13,14-double bond, producing 13,14-dihydro-15 keto metabolites with greatly reduced biological activity. CAY10397 is a selective inhibitor of 15-hydroxy PGDH with an IC₅₀ of approximately 10 μM. CAY10397 acts to prolong the lifetime and activity of endogenously produced prostaglandins both in cell culture and in vivo.

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

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