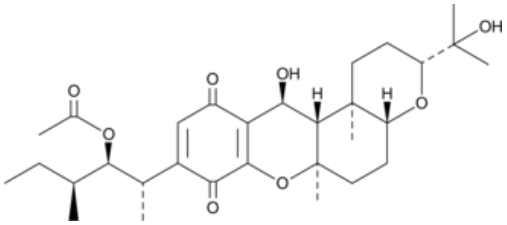
# Product Data Sheet

Product Name: Cochlioquinone A
Cat. No.: GC43288

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 32450-25-2 | | |
| SMILES | C[C@]12[C@@](O[C@@H](C(C)(O)C)CC2)([H])CC[C@@]([C@]1([H])[C@@H]3O)(C)OC4=C3C(C=C([C@H](C)[C@H](OC(C)=O)[C@@H](C)CC)C4=O)=O | | |
| Formula | C30H44O8 | M.Wt | 532.7 |
| Solubility | DMF: Soluble,DMSO: Soluble,Ethanol: Soluble,Methanol: Soluble | 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

Cochlioquinone A, a bioactive compound isolated from D. sacchari and Bipolaris sp., is an inhibitor of diacylglycerol kinase (DGK; Ki = 3.1 µM) and diacylglycerol acyltransferase (DGAT; IC50 = 5.6 µM). It has been shown to reduce the concentration of phosphatidic acid in T cell lymphoma with an IC50 value of 3 µM. It is also reported to compete with macrophage inflammatory protein-1α for binding to human CCR5 chemokine receptors with an IC50 value of 11 µM.

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