

Product Data Sheet

Product Name: Aszonapyrone A

Cat. No.: GC46091

Chemical Properties

Cas. No. 83103-08-6

SMILES CC(O[C@H]1CC[C@@]2(C)[C@](CC[C@]([C@@H]3CC4=C(O)C=C(C)OC4=O)(C)[C@]2([H])CCC3=C)([H])C1(C)C)=O

Formula C₂₈H₄₀O₅

M.Wt 456.6

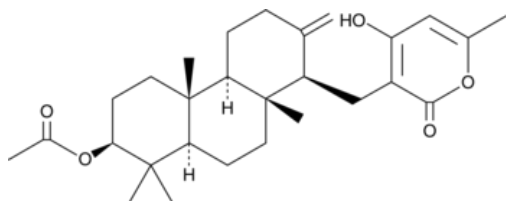
Solubility Soluble in DMSO

Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

Aszonapyrone A is a meroditerpene fungal metabolite that has been found in *Neosartorya* and has diverse biological activities.^{1,2,3} It inhibits the growth of MCF-7, NCI H460, and A375-C5 cancer cells (GI₅₀s = 13.6, 11.6, and 10.2 μM, respectively).¹ Aszonapyrone A is active against multidrug-resistant isolates of *S. aureus*, *E. faecalis*, and *E. faecium* (MICs = 8, 16, and 16 μg/ml, respectively) and inhibits *S. aureus* biofilm formation.² It is also active against *P. falciparum* in vitro (IC₅₀ = 1.34 μg/ml).³

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

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