

Product Data Sheet

Product Name: Kibdelone C

Cat. No.: GC44002

Chemical Properties

Cas. No. 934464-79-6

SMILES O=C1N(C)C(CCC)=C(Cl)C2=C1C(O)=C(C3=C(O)C(C4=O)=C(C(OC)=C3CC5)OC6=C4[C@@H](O)[C@@H](O)C[C@@H]6O)C5=C2O

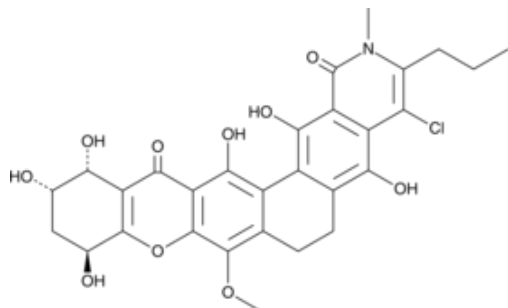
Formula C₂₉H₂₈ClNO₁₀ M.Wt 586

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

Kibdelone C is a member of a family of natural heterocyclic polyketides first isolated from a soil actinomycete, Kibdelosporangium. Kibdelones have been described as having potent and selective cytotoxicity against a panel of human tumor cell lines, and kibdelone C has low nanomolar effectiveness in these assays. Kibdelone C disrupts the actin cytoskeleton without directly binding actin or affecting its polymerization in vitro.

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

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