

## Product Data Sheet

Product Name: Bengamide B  
Cat. No.: GC50134

### Chemical Properties

Cas No. 104947-69-5

Canonical SMILES O=C1N(C)C[C@@H](OC(CCCCCCCCCCCC)=O)CC[C@@H]1NC([C@H](OC)[C@H](O)[C@@H](O)[C@H](O)/C=C/C(C)C)=O

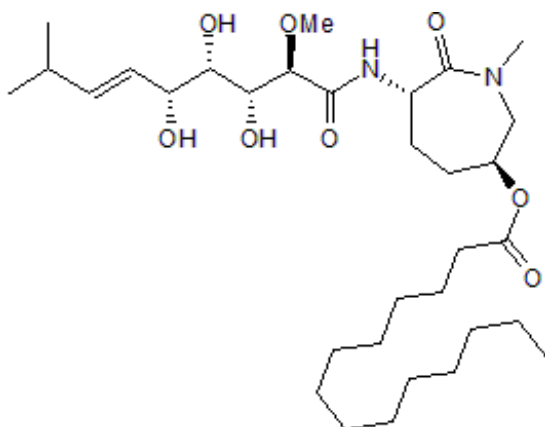
分子式  $C_{32}H_{58}N_2O_8$  分子量 598.81

溶解度 Soluble in DMSO 储存条件 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

Potent inhibitor of NF-κB activation (IC<sub>50</sub> = 85 nM); decreases IκBα phosphorylation. Attenuates LPS-induced nitric oxide production and expression of TNF-α, IL-6 and MCP. Suppresses proliferation of HeLa and HCT116 cells. Anti-inflammatory and antitumor.

Hu et al (2007) Regulation of c-Src nonreceptor tyrosine kinase activity by bengamide A through inhibition of methionine aminopeptidases. Chem.Biol. 14 764 PMID:17656313 | Johnson et al (2012) Myxobacteria versus sponge-derived alkaloids: the bengamide family identified as potent immune modulating agents by scrutiny of LC-MS/ELSD libraries. Bioorg.Med.Chem. 20 4348 PMID:22705020 | Kinder et al (2001) Synthesis and antitumor activity of ester-modified analogues of bengamide B. J.Med.Chem. 44 3692 PMID:11606134

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

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