
Product Data Sheet

Product Name: Bengamide B

Cat. No.: GC50134

Chemical Properties

Cas. No. 104947-69-5

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

Formula	C ₃₂ H ₅₈ N ₂ O ₈	M.Wt	598.81
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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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 (IC₅₀ = 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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