
Product Data Sheet

Product Name: MMAF sodium

Cat. No.: GC38397

Chemical Properties

Cas. No. 1799706-65-2

SMILES CC[C@H](C)[C@@H]([C@@H](CC(N1[C@@H](CCC1)[C@@H]([C@@H](C)C(N[C@H](C([O-])=O)CC2=CC=CC=C2)=O)OC)=O)OC)N(C([C@H](C(C)C)NC([C@H](C(C)C)NC)=O)=O)C.[Na+]

Formula C₃₉H₆₄N₅NaO₈ M.Wt 753.94

Solubility DMSO: ≥ 200 mg/mL (265.27 mM) Storage Store at -20°C, unstable in solution, ready to use.

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**

MMAF is an auristatin with anticancer activity.¹ It is cytotoxic to Karpas 299 anaplastic large cell lymphoma, H3396 breast carcinoma, and 786-O and Caki-1 renal carcinoma cells *in vitro* (IC₅₀s = 119, 105, 257, and 200 nM, respectively), as well as in a panel of 11 lymphoma cell lines (IC₅₀s = 34.8-164 nM).

1. Doronina, S.O., Mendelsohn, B.A., Bovee, T.D., et al. Enhanced activity of monomethylauristatin F through monoclonal antibody delivery: Effects of linker technology on efficacy and toxicity. *Bioconjug. Chem.* 17(1):114-124 (2006)

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
