
Product Data Sheet

Product Name: MC-Val-Cit-PAB-rifabutin

Cat. No.: GC36574

Chemical Properties

Cas. No. 2055900-34-8

SMILES

O=C1C2=C(O[C@@]1(O/C=C/[C@@H]([C@H]([C@H]([C@@H]([C@@H]([C@@H]([C@@H](O)[C@@H](C)/C=C/C=C(C)/C3=O)C)O)C)OC(C)=O)C)OC)C(C)=C(O)C4=C2C5=NC6(CC[N+](CC7=CC=C(NC([C@H](CCCNC(N)=O)NC([C@H](C(C)C)NC(CCCCN8C(C=CC8=O)=O)=O)=O)=O)C=C7)(CC(C)C)CC6)NC5=C(N3)C4=O
Formula C₇₄H₁₀₁N₁₀O₁₇

M.Wt

1402.65

Solubility Soluble in DMSO

Storage

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**

MC-Val-Cit-PAB-rifabutin has a bioreversible linkage based on a quaternary ammonium for targeted delivery and it can improve pharmacokinetics and the therapeutic index. MC-Val-Cit-PAB-rifabutin is used for the antibody-drug conjugates (ADC) that are effective and stable in vitro and in vivo to treat various diseases or disorders[1].

[1]. Staben LR, et al. Targeted drug delivery through the traceless release of tertiary and heteroaryl amines from antibody-drug conjugates. Nat Chem. 2016 Dec;8(12):1112-1119.

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
