
Product Data Sheet

Product Name: MC-Sq-Cit-PAB-Gefitinib
 Cat. No.: GC36564

Chemical Properties

Cas. No. 1941168-63-3

SMILES COC1=CC2=[N+](CC3=CC=C(NC([C@@H](NC(C4(C(NCCCCN5C(C=CC5=O)=O)=O)CCC4)=O)CCCNC(N)=O)=O)C=C3)C=NC(NC6=CC=C(F)C(CI)=C6)=C2C=C1OCCCN7CCOC

Formula C₅₀H₆₁ClFN₁₀O₉ M.Wt 1000.53

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 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 blue ice upon request.
 Condition

Structure

Background

MC-Sq-Cit-PAB-Gefitinib has a bioreversible linkage based on a quaternary ammonium for targeted delivery and it can improve pharmacokinetics and the therapeutic index. MC-Sq-Cit-PAB-Gefitinib is used for the antibody-drug conjugates (ADC) to treat various diseases or disorders, e.g. characterized by the overexpression of a tumor antigen[1,2].

[1]. FLYGARE, John A, et al. Quaternary amine compounds and antibody-drug conjugates thereof. WO2016090050A1. [2]. 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.

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