

Product Data Sheet

Product Name: Gefitinib D8

Cat. No.: GC60868

Chemical Properties

Cas. No. 857091-32-8

SMILES [2H]C1([2H])OC([2H])([2H])C([2H])([2H])N(CCCOC2=CC3=C(NC4=CC=C(F)C(Cl)=C4)N=CN=C3C=C2OC)C1([2H])[2H]

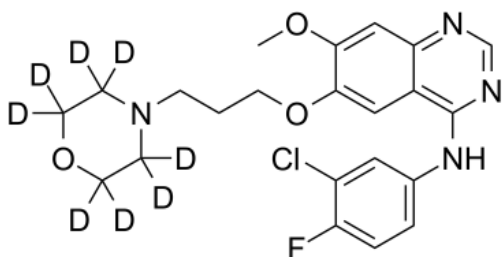
Formula $C_{22}H_{16}D_8ClFN_4O_3$ M.Wt 454.95

Solubility 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

Gefitinib D8 (ZD1839 D8) is a deuterium labeled Gefitinib. Gefitinib is an EGFR tyrosine kinase inhibitor, with IC₅₀ of 2-37 nM in NR6wtEGFR cells[1][2].

[1]. Pedersen MW, et al. Differential response to gefitinib of cells expressing normal EGFR and the

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

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mutant EGFRvIII. Br J Cancer. 2005 Oct 17;93(8):915-23. [2]. Moasser MM, et al. The tyrosine kinase inhibitor ZD1839 ("Iressa") inhibits HER2-driven signaling and suppresses the growth of HER2-overexpressing tumor cells. Cancer Res. 2001 Oct 1;61(19):7184-8.

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