

Product Data Sheet

Product Name: Sorafenib (D3)

Cat. No.: GC37664

Chemical Properties

Cas. No. 1130115-44-4

SMILES O=C(C1=NC=CC(OC2=CC=C(NC(NC3=CC=C(Cl)C(C(F)(F)F)=C3)=O)C=C2)=C1)NC([2H])([2H])[2H]

Formula $C_{21}H_{13}D_3ClF_3N_4O_3$ M.Wt 467.84

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.

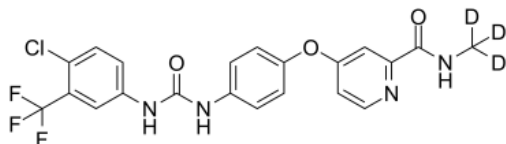
Caution: Product has not been fully validated for medical applications. For research use only.

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

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

Product Data Sheet

Structure



Background

Sorafenib D3 (Bay 43-9006 D3) is the deuterium labeled Sorafenib. Sorafenib is a multikinase inhibitor IC₅₀s of 6 nM, 20 nM, and 22 nM for Raf-1, B-Raf, and VEGFR-3, respectively.

[1]. Wilhelm SM, et al. BAY 43-9006 exhibits broad spectrum oral antitumor activity and targets the RAF/MEK/ERK pathway and receptor tyrosine kinases involved in tumor progression and angiogenesis. Cancer Res. 2004 Oct 1;64(19):7099-109.

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