
Product Data Sheet

Product Name: Sorafenib (D4)

Cat. No.: GC37665

Chemical Properties

Cas. No. 1207560-07-3

SMILES O=C(C1=NC=CC(OC2=C([2H])C([2H])=C(NC(NC3=CC=C(Cl)C(C(F)(F)F)=C3)=O)C([2H])=C2[2H])=C1)NCFormula C₂₁H₁₂D₄ClF₃N₄O₃

M.Wt 468.85

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**

Sorafenib D4 (Bay 43-9006 D4) 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.

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

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