
Product Data Sheet

Product Name: Axitinib-d3

Cat. No.: GC62185

Chemical Properties

Cas. No. 1126623-89-9

Formula C₂₂H₁₅D₃N₄OS M.Wt 389.49

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**

Axitinib-d3 (AG-013736-d3) is deuterium labeled Axitinib. Axitinib is a multi-targeted tyrosine kinase inhibitor with IC₅₀s of 0.1, 0.2, 0.1-0.3, 1.6 nM for VEGFR1, VEGFR2, VEGFR3 and PDGFR β , respectively.

[1]. Fenton BM, et al. The addition of AG-013736 to rractionated radiation improves tumor response without functionally normalizing the tumor vasculature. Cancer Res. 2007 Oct 15;67(20):9921-8

[2]. Hu-Lowe DD, et al. Nonclinical antiangiogenesis and antitumor activities of axitinib (AG-013736), an oral, potent, and selective inhibitor of vascular endothelial growth factor receptor tyrosine kinases 1, 2, 3. Clin Cancer Res. 2008 Nov 15;14(22):7272-83

[3]. Allen E, et al. Metabolic Symbiosis Enables Adaptive Resistance to Anti-angiogenic Therapy that Is Dependent on mTOR Signaling. Cell Rep. 2016 May 10;15(6):1144-60.

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

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