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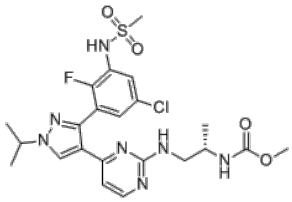
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Encorafenib
Cat. No.	:	PC-49770
CAS No.	:	1269440-17-6
Molecular Formula	:	$C_{22}H_{27}ClFN_7O_4S$
Molecular Weight	:	540.01
Target	:	Raf
Solubility	:	10 mM in DMSO



Biological Activity

Encorafenib (NVP-LGX818, LGX818) a potent, selective **BRAF** inhibitor with IC50 of 0.35, 0.47, and 0.3 nM against BRAF V600E, wild-type BRAF and CRAF in vitro cell-free assays, respectively.
Encorafenib (NVP-LGX818, LGX818) is able to bind to other kinases in vitro including JNK1, JNK2, JNK3, LIMK1, LIMK2, MEK4, and STK36 and significantly reduce ligand binding to these kinases at clinically achievable concentrations (<0.9 uM).
Encorafenib (NVP-LGX818, LGX818) inhibited the in vitro cell growth of tumor cell lines that express BRAF V600 E, D, and K mutations.
Encorafenib (NVP-LGX818, LGX818) induced tumor regressions associated with RAF/MEK/ERK pathway suppression in mice implanted with tumor cells expressing the BRAF V600E mutation.

References

Adelmann CH, et al. ***Oncotarget***. 2016 May 24;7(21):30453-60.

Krepler C, et al. ***Clin Cancer Res***. 2016 Apr 1;22(7):1592-602.

van Geel RMJM, et al. ***Cancer Discov***. 2017 Jun;7(6):610-619.

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