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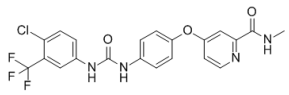
Datasheet (Version 1.0)

Product Name	:	Sorafenib
Synonyms	:	Bay 43-9006;Bay 43-9006
Cat No.	:	M13866
CAS Number	:	284461-73-0
Molecular Formula	:	C21H16ClF3N4O3
Formula Weight	:	464.83
Chemical Name	:	2-Pyridinecarboxamide, 4-[4-[[[[4-chloro-3-(trifluoromethyl)phenyl]amino]carbonyl]amino]phenoxy]-N-methyl-
Description	:	A potent, orally available Raf inhibitor with IC50 of 6, 22, and 38 nM for Raf-1, wt Braf, and BRaf V599E, respectively; Also demonstrates potent inhibition of certain proangiogenic RTKs, including VEGFR-2, PDGFR-β, VEGFR-3, Flt-3, c-Kit (IC50<100 nM); Exhibits broad spectrum oral antitumor activity and targets the RAF/MEK/ERK pathway and receptor tyrosine kinases involved in tumor progression and angiogenesis.Kidney Cancer Approved
Pathway	:	MAPK/ERK Signaling
Target	:	Raf
Receptor	:	B-Raf;B-Raf(V599E);Raf-1;VEGFR2/Flk1;VEGFR3
Solubility	:	DMSO: ≥ 45 mg/mL
SMILES	:	CNC(=O)C1=NC=CC(OC2=CC=C(NC(=O)NC3=CC(=C(Cl)C=C3)C(F)(F)F)C=C2)=C1
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Wilhelm SM, et al. Cancer Res. 2004 Oct 1;64(19):7099-109.| 2. Carlomagno F, et al. J Natl Cancer Inst. 2006 Mar 1;98(5):326-34.| 4. Lyons JF, et al. Endocr Relat Cancer. 2001 Sep;8(3):219-25.