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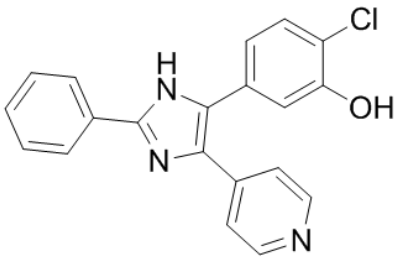
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	L-779450
Cat. No.	:	PC-43208
CAS No.	:	303727-31-3
Molecular Formula	:	$C_{20}H_{14}ClN_3O$
Molecular Weight	:	347.7977
Target	:	Raf
Solubility	:	DMSO: ≥ 34 mg/mL



Biological Activity

L-779450 is a potent, ATP-competitive **Raf kinase** inhibitor with IC50 of 10 nM, displays >7, >30 and >70-fold selectivity over p38α, GSK3β and Lck respectively.
L-779450 suppresses DNA synthesis and induced apoptosis in hematopoietic FDC-P1 cells transformed to grow in response to either Raf-1 or A-Raf.
L-779,450 is less effective on B-Raf- or MEK1-responsive cells, also suppresses DNA synthesis and induces apoptosis in Raf-responsive cells and the effects are more significant on Raf-responsive compared to cytokine-mediated growth.

References

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McKay MM, et al. Curr Biol. 2011 Apr 12;21(7):563-8.

Berger A, et al. J Invest Dermatol. 2014 Feb;134(2):430-440.

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