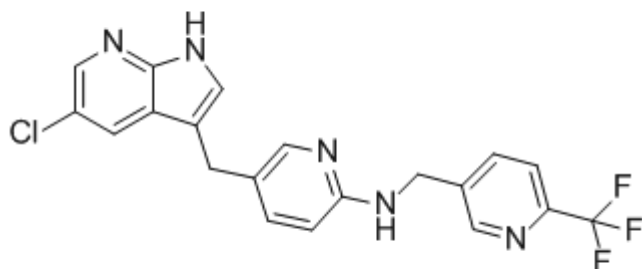


Pexidartinib (PLX3397)

Catalog No. A15520



Pexidartinib is a small-molecule receptor tyrosine kinase (RTK) inhibitor of KIT, CSF1R and FLT3 with potential antineoplastic activity.

Product Citations

- Anderson SR, et al. Developmental Apoptosis Promotes a Disease-Related Gene Signature and Independence from CSF1R Signaling in Retinal Microglia, Cell Rep, 2019, May 14;27(7):2002-2013.e5
PMID: 31091440 (<https://www.ncbi.nlm.nih.gov/pubmed/31091440>)

Technical details

CATALOG NUM	A15520
M. WT	417.81
FORMULA	C20H15ClF3N5
PURITY	>98%
STORAGE	Store at -20°C in sealed vials under nitrogen.
CAS NO.	1029044-16-3

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SYNONYMS	PLX-3397, PLX 3397
SMILES	FC(C1=CC=C(CNC2=NC=C(CC3=CNC4=NC=C(C1)C=C43)C=C2)C=N1)(F)F

Biological Activity



Pexidartinib is a small-molecule receptor tyrosine kinase (RTK) inhibitor of KIT, CSF1R and FLT3 with potential antineoplastic activity.

Targets

Kit	CSF-1R	Flt3		
10 nM	20 nM	160 nM		

Preparing Stock Solutions



Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
0.1 mM	23.93 mL	119.67 mL	239.34 mL
0.5 mM	4.79 mL	23.93 mL	47.87 mL
1 mM	2.39 mL	11.97 mL	23.93 mL
5 mM	0.48 mL	2.39 mL	4.79 mL

*The above data is based on the productmolecular weight 417.81. Batch specific molecular weights may vary from batch to batch due to solvent of hydration, which will affect the solvent volumes required to prepare stock solutions.

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