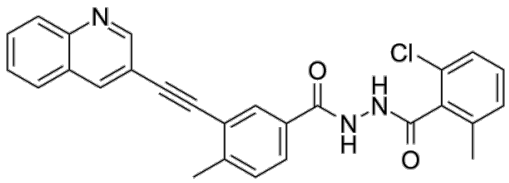
Product Data Sheet

Product Name: Vodobatinib
Cat. No.: GC62103

Chemical Properties

Cas. No.	1388803-90-4		
Formula	$C_{27}H_{20}ClN_3O_2$	M.Wt	453.92
Solubility	DMSO : 125 mg/mL (275.38 mM; Need ultrasonic)	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

Vodobatinib (K0706) is a potent, third generation and orally active Bcr-Abl1 tyrosine kinase inhibitor with an IC50 of 7 nM. Vodobatinib exhibits activity against most BCR-ABL1 point mutants, and has no activity against BCR-ABL1T315I. Vodobatinib can be used for chronic myeloid leukemia (CML)

Caution: Product has not been fully validated for medical applications. For research use only.
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research[1][2].

In Ba/F3 cells expressing BCR-ABL1, BCR-ABL1L248V, BCR-ABL1Y253H, or BCR-ABL1E255V, Vodobatinib (K0706; 0-2000 nM) treatment shows potent inhibition of BCR-ABL1 tyrosine autophosphorylation[1].

[1]. Orlando Antelope, et al. BCR-ABL1 tyrosine kinase inhibitor K0706 exhibits preclinical activity in Philadelphia chromosome-positive leukemia. Exp Hematol. 2019 Sep;77:36-40.e2.
[2]. Phase 1 Trial of Vodobatinib, a Novel Oral BCR-ABL1 Tyrosine Kinase Inhibitor (TKI): Activity in CML Chronic Phase Patients Failing TKI Therapies Including Ponatinib. Session: 632: Chronic Myeloid Leukemia: Therapy: CML: New and Beyond.