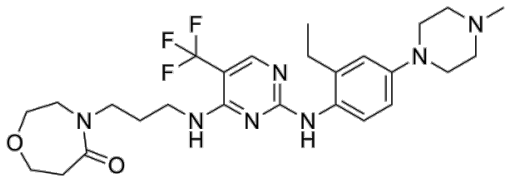
Product Data Sheet

Product Name: DCC-3116
Cat. No.: GC73892

Chemical Properties

Cas. No.	2543673-19-2		
Formula	$C_{26}H_{36}F_3N_7O_2$	M.Wt	535.6
Solubility	DMSO : 140 mg/mL (261.39 mM; Need ultrasonic)	Storage	-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

DCC-3116 is an orally active ULK1/2 inhibitor. DCC-3116 can promote autophagy in lung cancer cells by inhibiting KRASG12C signaling, thereby inhibiting the proliferation of lung cancer cells and exerting anti-cancer effects.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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DCC-3116 (100 nM, 72 h) alone inhibits the proliferation of NCI-H2122 and Calu-1 cells, decreases the expression of pS318-ATG13, and has a synergistic effect when combined with Sotorasib [1].

DCC-3116 (3 or 30 mg/kg/day for 56 days, p.o. and p.i.) alone or in combination with Sotorasib can inhibit tumor growth in mouse models of NSCLC lung cancer[1].

References:
[1]. Ghazi PC, et al. Inhibition of ULK1/2 and KRAS G12C controls tumor growth in preclinical models of lung cancer. bioRxiv [Preprint]. 2024 Feb 8:2024.02.06.579200.

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