

Product Information

Product ID L1044

CAS No. 1005342-46-0

Chemical Name

Synonym LCL161

Formula C₂₆H₃₃FN₄O₃S

Formula Wt. 500.63

Melting Point

Purity ≥99%, ≥99%ee, de

Solubility DMSO 100 mg/mL (199.74 mM)

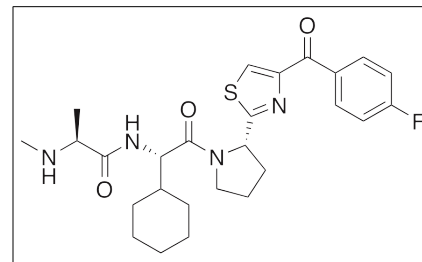
Ethanol 20 mg/mL warmed (39.94 mM)

Water Insoluble

Store Temp -20°C

Ship Temp Ambient

Description LCL-161 is a second mitochondria-derived activator of caspases (SMAC) mimetic that binds to cIAP1 and cIAP2 (members of the inhibitors of apoptosis family of proteins, often upregulated in many cancers) and initiates their destruction. This compound exhibits anticancer chemotherapeutic activity by inducing apoptosis in in vitro models of lymphoid cancers. LCL-161 also activates human PXR and induces activity of CYP3A4/5.



Bulk quantities available upon request

Product ID	Size
L1044	1 mg
L1044	5 mg
L1044	25 mg

References Dhuria S, Einolf H, Mangold J, et al. Time-dependent inhibition and induction of human cytochrome P4503A4/5 by an oral IAP antagonist, LCL161, in vitro and in vivo in healthy subjects. J Clin Pharmacol. 2013 Jun;53(6):642-53. PMID: 23585187.

Houghton PJ, Kang MH, Reynolds CP, et al. Initial testing (stage 1) of LCL161, a SMAC mimetic, by the Pediatric Preclinical Testing Program. Pediatr Blood Cancer. 2012 Apr;58(4):636-9. PMID: 21681929.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.