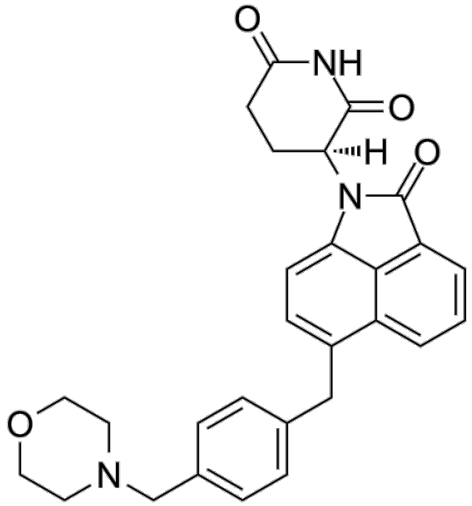
Product Data Sheet

Product Name: CFT7455
Cat. No.: GC64835

Chemical Properties

Cas. No.	2504235-67-8		
Formula	C28H27N3O4	M.Wt	469.53
Solubility		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

CFT7455 is an orally active zinc finger transcription factors Ikaros (IKZF1), Aiolos (IKZF3) degrader. CFT7455 is an anti-cancer agent that binds with high affinity to the cereblon E3 ligase (Kd of 0.9 nM) (WO2022032132A1; Compound 1)[1].

CFT7455 (Compound 1) promotes the degradation of >75% of steady state IKZF1 in multiple myeloma cells within 1.5 hours at 0.3 nM. The high binding affinity and degradation catalysis of CFT7455 enables potent cell growth inhibition in both previously untreated NCIH929 multiple myeloma cell lines (IC50 of 0.071 nM) and NCIH929 cells made resistant to both lenalidomide and

pomalidomide (IC50 of 2.3 nM)[1].

In mouse xenograft tumor models, CFT7455 (Compound 1) demonstrates dose dependent efficacy from 3 μg/kg/day to 100 μg/kg/day. In several tumor xenografts tested daily dosing of CFT7455 at dose of 30 μg/kg/day to 100 μg/kg/day led to durable tumor regression[1].

[1]. David Proia, et al. Advantageous therapies for disorders mediated by ikaros or aiolos. WO2022032132A1.

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