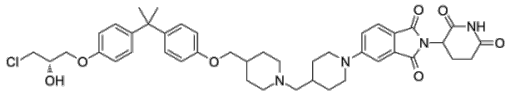
Product Data Sheet

Product Name: BWA-522
Cat. No.: GC73237

Chemical Properties

Cas. No.	3042820-12-9		
Formula	$C_{43}H_{51}ClN_4O_7$	M.Wt	771.34
Solubility	DMSO : 90 mg/mL (116.68 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

BWA-522 is an orally available small molecule protein-targeting chimera (PROTACs) with significant degradation effect on AR-FL and AR-V7. BWA-522 antagonizes the N-terminal domain (AR-NTD) of

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the androgen receptor (Androgen Receptor) and induces apoptosis in PC cells. BWA-522 inhibits tumor growth in LNCaP xenograft model studies (60 mg/kg, po; TGI=76%). The efficiencies of BWA-522 in degrading AR-V7 and AR-FL were 77.3% (1 μM) and 72.0% (5 μM) in VCaP and LNCaP cells, respectively.

References:

[1]. Zhang B, et al. Discovery of BWA-522, a First-in-Class and Orally Bioavailable PROTAC Degrader of the Androgen Receptor Targeting N-Terminal Domain for the Treatment of Prostate Cancer. J Med Chem. 2023 Aug 24;66(16):11158-11186..

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