Product Data Sheet

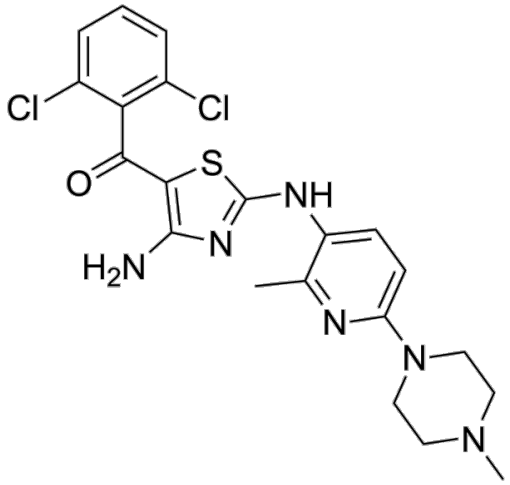
Product Name: ZNL-05-044
Cat. No.: GC73597

Chemical Properties

Cas. No.

Formula	$C_{21}H_{22}Cl_2N_6OS$	M.Wt	477.41
Solubility	DMSO : 100 mg/mL (209.46 mM; Need ultrasonic)	Storage	4°C, stored under nitrogen
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

Product Data Sheet

ZNL-05-044 is a CDK11 inhibitor with an IC50s of 0.23 μM and 0.27 μM against CDK11A and CDK11B, respectively (NanoBRET assay). ZNL-05-044 leads to G2/M cell cycle arrest and impairs RNA splicing.

References:

[1]. Li Z, et al. Synthesis and Structure-Activity relationships of cyclin-dependent kinase 11 inhibitors based on a diaminothiazole scaffold. Eur J Med Chem. 2022 Aug 5;238:114433.

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

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