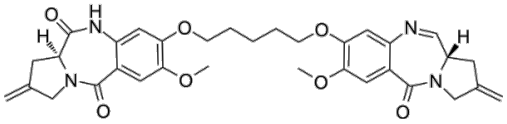
Product Data Sheet

Product Name: PBD-monoamide
Cat. No.: GC73938

Chemical Properties

Cas. No.	2093165-00-3		
Formula	$C_{33}H_{36}N_4O_7$	M.Wt	600.66
Solubility	DMSO : 35.71 mg/mL (59.45 mM; ultrasonic and warming and heat to 60°C)	Storage	4°C, protect from light, 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

PBD-monoamide, a modified PBD (pyrrolobenzodiazepine) dimer, is an ADC Cytotoxin. PBD-monoamide can be used for synthesis of DHES0815A (an HER2 ADC). PBD-monoamide has DNA-binding activity and reduces cell viability.

References:
[1]. Lewis GD, et al. The HER2-directed antibody-drug conjugate DHES0815A in advanced and/or

metastatic breast cancer: preclinical characterization and phase 1 trial results. Nat Commun. 2024 Jan 11;15(1):466.