

CB-5803

Cat. # 1425-5, F1425-25

Also Known as:	1H-Indole-4-carboxamide, 1-[7,8-dihydro-4-[(phenylmethyl)amino]-5H-pyrano[4,3-d]pyrimidin-2-yl]-2-methyl-
Formula:	C ₂₄ H ₂₃ N ₅ O ₂
MW:	413.47 Da
CAS No.:	CAS# 1542705-92-9
Source:	Synthetic
Form:	Lyophilized powder
Solubility:	Soluble in DMSO (~50 mg/mL) or EtOH ~10 mg/mL)
Concentration:	N/A
Quality Assurance:	>98% by HPLC and NMR
Description:	CB-5083 is a potent ATPase activity inhibitor of p97. p97 (also called VCP) is an AAA-ATPase that plays an important role in various cellular functions including ER-associated degradation. CB-5803 induces significant unfolded protein response and apoptosis of various cancer cells. P97 is orally active and currently in clinical trials for relapsed multiple myeloma.
Storage:	Eligible for room temperature shipping. Store at -20°C or -80°C upon receiving; protect from air and light.
How to use	CB-5083 is used at 10-50 uM in various cell-based assays. In vitro, it inhibits the ATPase activity of p97 with an IC ₅₀ value of 11 nM.
Literature:	1. Anderson D J, et al. (2015) Cancer Cell., 28, 653. 2. Zhou H J, et al. (2015) J. Med. Chem., 58, 9480.

