

# AZ1

Cat. # F4125-5, F4125-25

<b>Also Known as:</b>	USP25/USP28 inhibitor AZ1
<b>Formula:</b>	$C_{17}H_{16}BrF_4NO_2$
<b>MW:</b>	422.21 g/mol
<b>CAS No.:</b>	2165322-94-9
<b>Source:</b>	Synthetic
<b>Form:</b>	Powder
<b>Solubility:</b>	Soluble in DMSO up to 50 mg/mL. Insoluble in water.
<b>Preparation of Stocks in DMSO</b>	5 mg/mL = 11.8 mM 10 mg/mL = 23.7 mM 25 mg/mL = 59.2 mM
<b>Quality Assurance:</b>	>98% purity assayed by HPLC and NMR.
<b>Description:</b>	AZ1 is a selective and non-competitive Inhibitor of both deubiquitinase USP25 and USP28 with IC50s of 0.62 $\mu$ M and 0.7 $\mu$ M, respectively, when assayed in vitro using Ub-rhodamine110 as the substrate. AZ1 reduces cell viability of a range of cancer cell lines with an EC50 around 20 $\mu$ M.
<b>Storage:</b>	Eligible for room temperature shipping. Store at -20°C upon receiving. Avoid multiple freeze-thaw cycles after dissolving in DMSO.
<b>Literature:</b>	1. Wrigley J.D., et al., SCS Chem Bio. 2017, 15, 3113.