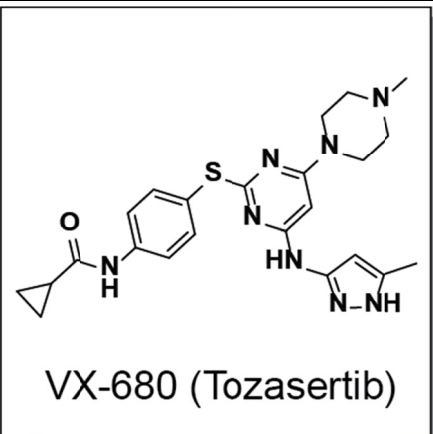




Product Specification Sheet

Product Name: VX-680 (Tozasertib)	
Catalog Number: C8916-10 (powder)	
Package Size: 10 mg	
Technical information:	
Chemical Formula: C ₂₃ H ₂₈ N ₈ OS	
CAS #: 639089-54-6	
Molecular Weight: 464.59	
Purity: >=98%	
Formulation: Light yellow solid	
Solubility: Soluble in DMSO up to 100 mM	
Chemical Name: N-(4-((4-((5-methyl-1H-pyrazol-3-yl)amino)-6-(4-methylpiperazin-1-yl)pyrimidin-2-yl)thio)phenyl)cyclopropanecarboxamide	
Storage: Store solid powder at 4°C desiccated;	
Handling:	<ul style="list-style-type: none">For C8916-10 (powder), add 2.15 mL of DMSO to make 10 mM solution.
Biological Activity:	VX-680 (Tozasertib) is a small molecule Aurora kinase inhibitor (Aurora-A ~0.6nM, Aurora-B ~18nM, Aurora-C ~4.6nM). VX-680 inhibits cell cycle progression, induces apoptosis and blocks tumor growth in varieties of in vivo xenograft models, including leukemia, colon and pancreatic tumors.
Reference:	<ol style="list-style-type: none">Elizabeth A Harrington, et al. VX-680, a potent and selective small-molecule inhibitor of the Aurora kinases, suppresses tumor growth in vivo. Nature Medicine 2004;10, 262 – 267.Marumoto T, Zhang D, Saya H. Aurora-A - a guardian of poles. Nat Rev Cancer. 2005; 5(1):42-50.

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