



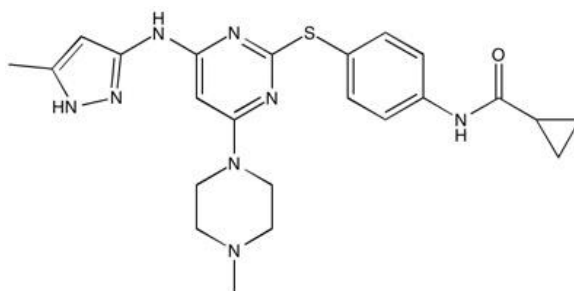
## Catalog # 10-2178

### Tozasertib

CAS# 639089-54-6

VX-680, MK-0457

Lot # X106410



Inhibitor of Aurora kinases.<sup>1</sup> Blocks cell cycle progressing, inhibits proliferation, and induces apoptosis in a wide range of cancer cell lines ( $IC_{50} = <10 \mu M$  for clear cell renal carcinoma).<sup>2,3</sup>

- 1) Harrington *et al.* (2004), *VX-680, a potent and selective small molecule inhibitor of the Aurora kinases, suppresses tumor growth in vivo*; *Nat. Med.*, **10** 262
- 2) Fei *et al.* (2010), *Activity of the Aurora kinase inhibitor VX-680 against Bcr/Abl-positive acute lymphoblastic leukemias*; *Mol. Cancer Ther.*, **9** 1318
- 3) Dewerth *et al.* (2012), *In vitro evaluation of the Aurora kinase inhibitor VX-680 for Hepatoblastoma*; *Pediatr. Surg. Int.*, **28** 579

### PHYSICAL DATA

Molecular Weight:	464.59
Molecular Formula:	C <sub>23</sub> H <sub>28</sub> N <sub>8</sub> OS
Purity:	99% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 100 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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