

## VX-680 (MK-0457, Tozasertib)

Cat. No. CEI-0912

Lot. No. (See product label)

### Introduction

**Description** VX-680 (MK-0457, Tozasertib) is a pan-Aurora inhibitor, mostly against Aurora A with Kiapp of 0.6 nM, less potent towards Aurora B/Aurora C and 100-fold more selective for Aurora A than 55 other kinases. Phase 2.

### Product Information

**CAS No.** 639089-54-6

**Molecular Formula** C<sub>23</sub>H<sub>28</sub>N<sub>8</sub>O<sub>5</sub>

**Chemical Name** N-(4-(4-(5-methyl-1H-pyrazol-3-ylamino)-6-(4-methylpiperazin-1-yl)pyrimidin-2-ylthio)phenyl)cyclopropanecarboxamide

**Molecular Weight** 464.59

**Targets** Aurora A, Aurora B, Aurora C

**IC<sub>50</sub>** 0.6 nM (Kiapp); 18 nM (Kiapp); 4.6 nM (Kiapp)

**Solubility** DMSO 93 mg/mL; Water <1 mg/mL; Ethanol <1 mg/mL

### Storage and Shipping Information

**Storage** 2 years -20 centigrade Powder; 2 weeks 4 centigrade in DMSO; 6 months -80 centigrade in DMSO.