CHEMIETEK
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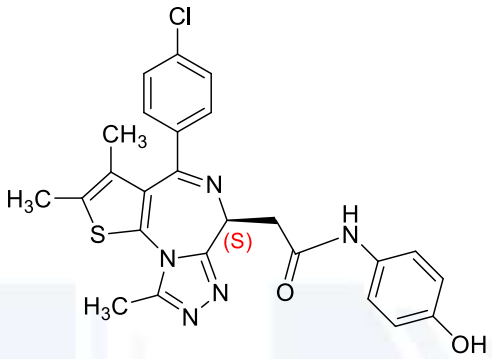
Certificate of Analysis



Product Name:	**OTX-015 (Birabresib)**
Synonym:	Y-803
IUPAC Name:	(S)-2-[4-(4-chlorophenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo-[4,3-a][1,4]diazepin-6-yl]-N-(4- hydroxyphenyl)acetamide
CAS No:	202590-98-5
Prod. No:	CT-OTX015
Lot No:	01
Batch Empirical Formula	$C_{25}H_{22}ClN_5O_2S \cdot 0.7H_2O$
Batch Empirical. Wt.	504.6
Solubility	Soluble in DMSO
Storage	Store at 0 ºC (short term), -20 ºC (long term), desiccated

Quality Control	MS: [√] ^{1}H-NMR: [√] HPLC: [√] Chiral HPLC: [√] Quantitative Elemental Analysis [√]: $C_{25}H_{22}ClN_5O_2S \cdot 0.7H_2O$ Calculated: C: 59.51% H: 4.67% N: 13.77% Found: C: 59.08% H: 4.67 % N: 13.88%
Chemical Purity	>99% (Achiral HPLC)
Optical Purity (ee)	>99% (Chiral HPLC)