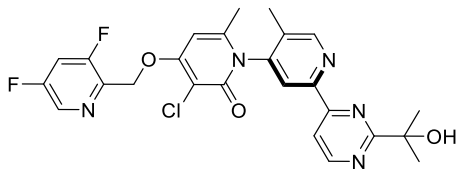




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
207172	Zunsemetinib (P atropisomer)	Y22X11M22

Chemical name	
3-chloro-4-((3,5-difluoropyridin-2-yl)methoxy)-2'-(2-(2-hydroxypropan-2-yl)pyrimidin-4-yl)-5',6-dimethyl-2H-[1,4'-bipyridin]-2-one	
Synonyms	
Zunsemetinib; (P)-ATI-450; ATI-450 P atropisomer; ATI-450; ATI450; ATI 450; CDD-450; CDD 450; CDD450	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 207172 Name: Zunsemetinib (P-atropisomer) CAS#: 1640282-42-3 (P atropisomer) Lot#: Y22X11M22 Chemical Formula: C ₂₅ H ₂₂ ClF ₂ N ₅ O ₃ Exact Mass: 513.1379 Molecular Weight: 513.93

Analysis item	Specifications / Results
Appearance	Yellow solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>95.0%
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 3 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE