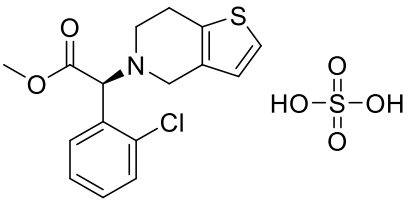




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
317556	Clopidogrel sulfate	C22R05B13

Chemical name	
methyl (2S)-2-(2-chlorophenyl)-2-(6,7-dihydro-4H-thieno[3,2-c]pyridin-5-yl)acetate sulfate	
Synonyms	
Plavix; (S)-Clopidogrel; Clopidogrelum; Zyllt. Clopidogrel sulfate; Osvox; Plavitor, SR 25990C; SR-25990C; SR25990C; SR 25990.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 317556 Name: Clopidogrel sulfate CAS#: 120202-66-6 (sulfate) Lot#: C22R05B13 Chemical Formula: C ₁₆ H ₁₈ ClNO ₆ S ₂ Molecular Weight: 419.89

Analysis item	Specifications / Results
Appearance	White to off white 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)	>98.0%
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