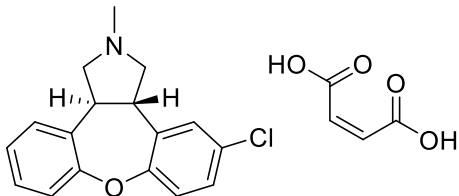


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
326708	Asenapine maleate	A20T05K11

Chemical name	
(3aS,12bS)-5-chloro-2-methyl-2,3,3a,12b-tetrahydro-1H-dibenzo[2,3:6,7]oxepino[4,5-c]pyrrole maleate	
Synonyms	
Org 5222; Org5222; Org-5222; HSDB 8061; HSDB-8061; HSDB8061; Asenapine; Asenapine maleate; trade names Saphris and Sycrest.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 326708 Name: Asenapine maleate CAS#: 85650-56-2 (maleate) Lot#: A20T05K11 Chemical Formula: C ₂₁ H ₂₀ ClNO ₅ Molecular Weight: 401.84

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)	>99.0%
Solubility	Soluble in DMSO
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 5 years if properly stored.

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