

Product Datasheet

**[Ala286]-Calmodulin-Dependent Protein Kinase II
(281-302) (orb2663381)**

Catalog Number	orb2663381
Category	Small Molecules
Description	[Ala286]-Calmodulin-Dependent Protein Kinase II (281-302) is a modified fragment of the calcium ion/calcium-binding protein-dependent kinase II (CaMKII), featuring the active region of CaMKII with an alanine substitution at position 286. This particular modification allows for the potential development of more effective CaMKII inhibitors.
MW	2600.08
CAS Number	141055-85-8
Formula	C ₁₁₁ H ₁₉₁ N ₃₉ O ₂₉ S ₂
SMILES	[C@@H](CC1=CC=CC=C1)(NC([C@@H])(NC([C@@H])(NC([C@@H])(NC([C@@H])(N C([C@@H])(NC([C@@H])(NC([C@@H])(NC([C@@H])(NC([C@@H])(NC([C@@H](N C([C@@H])(CC2=CN=CN2)NC([C@H](CCSC)N)=O)=O)CCCNC(=N)N)=O)CCC(N)=O)= O)CCC(O)=O)=O)C)=O)C(C)C)=O)CC(O)=O)=O)CS)=O)CC(C)C)=O)CCCCN)=O)C CCCN)=O)C(N[C@H](C(N[C@H](C(N[C@H](C(N[C@H](C(N[C@H](C(N[C@H](C(N[C@H](C(NCC(N[C@H](C(O)=O)C)=O)=O)CCCCN)=O)CC(C)C)=O)CCCCN)=O)CCC NC(=N)N)=O)CCCNC(=N)N)=O)C)=O)CC(N)=O)=O
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.