

Product Name	: PIN1 inhibitor API-1
Synonyms	: —
Cat No.	: M24694
CAS Number	: 680622-70-2
Molecular Formula	: C ₁₅ H ₁₃ F ₃ N ₆ O ₂
Formula Weight	: 366.3
Chemical Name	: —
Description	<p>PIN1 inhibitor API-1 is a specific Pin1 inhibitor (IC₅₀: 72.3 nM). PIN1 inhibitor API-1 retains the active conformation of pXPO5 and restores the ability of pXPO5 to transport pre-miRNAs from the nucleus to cytoplasm, thus up-regulating the anticancer miRNA biogenesis to suppress both in vitro and in vivo hepatocellular carcinoma development. PIN1 inhibitor API-1 directly and specifically binds to the Pin1 peptidyl-prolyl isomerase domain and effectively inhibits Pin1 cis-trans isomerizing activity.</p>
Pathway	: Others
Target	: Other Targets
Receptor	: Pin1
Solubility	: DMSO:250 mg/mL (682.50 mM; Need ultrasonic)
SMILES	: <chem>C1=CC(=CC=C1CNC(=O)C(F)(F)F)COC2=NC(=NC3=C2NC=N3)N</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Pu W, et al. Targeting Pin1 by inhibitor API-1 regulates microRNA biogenesis and suppresses hepatocellular carcinoma development. Hepatology. 2018 Aug;68(2):547-560.