

Product Name	: Dafadine-A
Synonyms	: —
Cat No.	: M23270
CAS Number	: 1065506-69-5
Molecular Formula	: C ₂₃ H ₂₅ N ₃ O ₃
Formula Weight	: 391.5
Chemical Name	: —
Description	: Dafadine-A is an analog of dafadine and a novel inhibitor of DAF-9 cytochrome P450 in the nematode <i>Caenorhabditis elegans</i> . Mammalian orthologs that also inhibit DAF-9 (CYP27A1).
Pathway	: Metabolic Enzyme/Protease
Target	: P450
Receptor	: P450
Solubility	: DMSO:50 mg/mL (127.73 mM; Need ultrasonic)
SMILES	: <chem>CC1=C(C(=CC=C1)C)OCC2=CC(=NO2)C(=O)N3CCC(CC3)C4=CC=NC=C4</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Luciani GM, et al. Dafadine inhibits DAF-9 to promote dauer formation and longevity of *Caenorhabditis elegans*. *Nat Chem Biol*. 2011 Nov 6;7(12):891-3.