

Product Name : STA 2842

Synonyms : STA2842

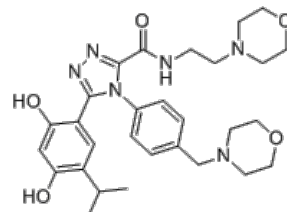
Cat No. : M10232

CAS Number : 1046490-67-8

Molecular Formula : C₂₉H₃₈N₆O₅

Formula Weight : 550.66

Chemical Name : 5-(2,4-dihydroxy-5-isopropylphenyl)-N-(2-morpholinoethyl)-4-(4-(morpholinomethyl)phenyl)-4H-1,2,4-triazole-3-carboxamide



Description : STA 2842 (STA2842) is a highly specific inhibitor of HSP90 (IC₅₀=135 nM, HSP90α) that competitively binds the N-terminal ATP pocket of HSP90; induces the degradation of many ADPKD-relevant HSP90 client proteins in Pkd1(-/-) primary kidney cells and in vivo; significantly reduces initial formation of renal cysts and kidney growth and slows the progression of these phenotypes in mice with preexisting cysts.

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : HSP

Receptor : HSP

Solubility : —

SMILES : O=C(C1=NN=C(C2=CC(C(C)C)=C(O)C=C2O)N1C3=CC=C(CN4CCOCC4)C=C3)NCCN5CCOCC5

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Seeger-Nukpezah T, et al. Proc Natl Acad Sci U S A. 2013 Jul 30;110(31):12786-91.| 2. Nikonova AS, et al. Proc Natl Acad Sci U S A. 2014 Sep 2;111(35):12859-64.| 3. Smithline ZB, et al. PLoS One. 2014 Dec 4;9(12):e114403.