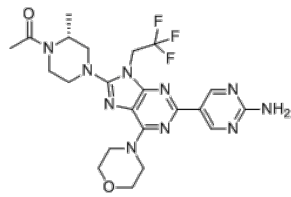


Product Name	: DS-7423	
Synonyms	: DS7423; DS 7423	
Cat No.	: M10844	
CAS Number	: 1222104-37-1	
Molecular Formula	: C ₂₂ H ₂₇ F ₃ N ₁₀ O ₂	
Formula Weight	: 520.52	
Chemical Name	: (R)-1-(4-(2-(2-aminopyrimidin-5-yl)-6-morpholino-9-(2,2,2-trifluoroethyl)-9H-purin-8-yl)-2-methylpiperazin-1-yl)ethan-1-one	
Description	: DS-7423 is a novel potent, small-molecule dual inhibitor of PI3K/mTOR with IC ₅₀ of 15.6, 1143, 249, 262 and 34.9 nM for PI3K α , PI3K β , PI3K γ , PI3K δ , and mTOR respectively; exerts anti-tumor effect against a panel of nine OCCA cell lines with IC ₅₀ of <75 nM, regardless of the mutational status of PIK3CA; suppresses the tumor growth of OCCA in a dose-dependent manner in mouse xenograft models. Solid Tumors Phase 1 Discontinued	
Pathway	: PI3K/Akt/mTOR signaling	
Target	: PI3K	
Receptor	: PI3K	
Solubility	: —	
SMILES	: —	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Koul D, et al. Oncotarget. 2017 Mar 28;8(13):21741-21753. | 2. Kashiya T, et al. PLoS One. 2014 Feb 4;9(2):e87220.