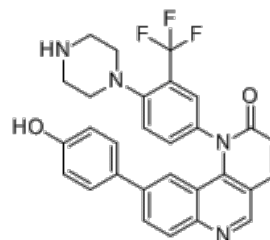


Product Name	: JW-7-25-1
Synonyms	: JW-7-25-1; JW 7-25-1; JW7-25-1
Cat No.	: M10849
CAS Number	: 1222998-57-3
Molecular Formula	: C ₂₉ H ₂₃ F ₃ N ₄ O ₂
Formula Weight	: 516.52
Chemical Name	: 9-(4-hydroxyphenyl)-1-(4-(piperazin-1-yl)-3-(trifluoromethyl)phenyl)benzo[h][1,6]naphthyridin-2(1H)-one
Description	: JW-7-25-1 is a potent MELK inhibitor with biochemical IC ₅₀ of 5.0 nM, also inhibits PIK3CA, mTOR, GSK3A and CDK7 with IC ₅₀ of 5-60 nM; exhibits a broad kinase selectivity profile with an S(35) score of 0.54 at 10 uM.
Pathway	: PI3K/Akt/mTOR signaling
Target	: MELK
Receptor	: MELK
Solubility	: —
SMILES	: <chem>O=C1N(C2=CC=C(N3CCNCC3)C(C(F)(F)F)=C2)C4=C(C=NC5=CC=C(C6=CC=C(O)C=C6)C=C54)C=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Huang HT, et al. Elife. 2017 Sep 19;6. pii: e26693.