

Product Name	: DS16570511
Synonyms	: —
Cat No.	: M22676
CAS Number	: —
Molecular Formula	: C ₃₀ H ₂₅ Cl ₂ N ₃ O ₄
Formula Weight	: 562.44
Chemical Name	: —
Description	DS16570511 is a cellular osmotic inhibitor of mitochondrial calcium monoab, which blocks MCU or MICU1-dependent Ca ²⁺ influx. DS16570511 dose - dependent inhibition of serum-induced mitochondrial Ca ²⁺ influx in HEK293A cells with IC ₅₀ of 7 M. DS16570511 inhibits the uptake of isolated Ca ²⁺ . mitochondria from human cells, rat heart and pig heart.
Pathway	: GPCR/G Protein
Target	: Calcium Channel
Receptor	: mitochondrial calcium uniporter
Solubility	: DMSO: 124 mg/mL (220.47 mM)
SMILES	: <chem>Cc1onc(c1CNc1cccc(c1)C(=O)c1cn(CCCC(O)=O)c2ccccc12)-c1c(Cl)cccc1Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Kon N, et al. DS16570511 is a small-molecule inhibitor of the mitochondrial calcium uniporter. Cell Death Discov. 2017 Jul 17;3:17045.