

Ru360 biochemical

Ru360

CATALOG #
AAA227277

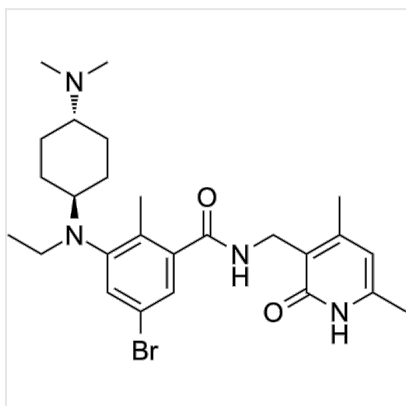
PRODUCT SYNONYMS

Ru360; Ru360 biochemical

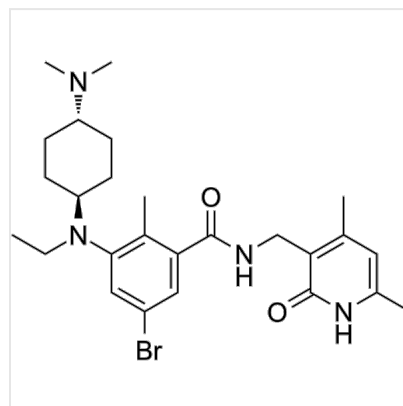
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Ru360 (15-50 nmol/kg) treatment abolishes the incidence of arrhythmias and haemodynamic dysfunction elicited by reperfusion in a whole rat model. Ru360 administration partially inhibits calcium uptake, preventing mitochondria from depolarization by the opening of the mitochondrial permeability transition pore (mPTP)[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
EZH2-IN-5, CAS 1403258-69-4



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ADDITIONAL INFORMATION

Related Product Information for Ru360 biochemical	Ru360, an oxygen-bridged dinuclear ruthenium amine complex, is a selective mitochondrial calcium uptake inhibitor. Ru360 potently inhibits Ca ²⁺ uptake into mitochondria with an IC ₅₀ of 0.184 nM. Ru360 binds to mitochondria with high affinity (K _d of 0.34 nM). Ru360 has antiarrhythmic and cardioprotective effects[1][2].
References	1. Richard Chesworth, et al. Substituted benzene compounds. WO2012142513A1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.