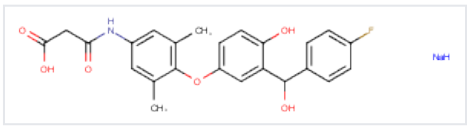
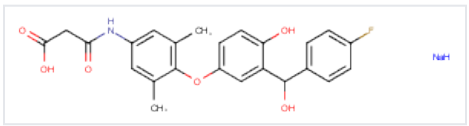
KAT681 Inhibitor

PRODUCT OVERVIEW

Product Name	KAT681, Inhibitor
Full Product Name	KAT681
Product Gene Name	KAT681, inhibitor
Product Synonym Names	T0681
Purity/Purification	98%
Preparation and Storage	Powder: -2 degree C for 3 years In solvent: -80 degree C for 2 years
Molecular Weight	463.437
SMILES	[NaH].Cc1cc(NC(=O)CC(O)=O)cc(C)c1Oc1ccc(O)c(c1)C(O)c1ccc(F)cc1
Formula	C24H23FNNaO6
CAS Number	373641-87-3
Target	Thyroid hormone receptor(THR)
Solubility	(<1mg/mL refers to the product slightly soluble or insoluble)
In_vitro	KAT681 treatment causes a 60% decrease in plasma cholesterol and a 70% decrease in plasma triglycerides[1]. KAT681 obviously enhances hepatic LDLrs in SR-BI KO mice (2-fold of controls, P<0.01), along with a marked decrease in plasma cholesterol[2]. A marked decrease of plasma cholesterol is observed at 36nMoles/kg/day KAT681 (T-0681), whereas doses higher than 36nMoles/kg/day display no further lipid-lowering effect, in preliminary dose-titration studies. A marked increase of hepatic SR-BI expression at 36nMol/kg/d KAT681 (T-0681) and a concomitant 50% decrease of plasma cholesterol are observed, in preliminary dose-titration studies in wild-type (WT) mice. New Zealand White (NZW) rabbits are fed a 0.2% cholesterol diet and dosed with 36nMoles/kg/day KAT681 or respective placebo control for 4 weeks, in the subsequent study. Higher doses than 36nMol/kg/d display no further lipid-lowering effect.
Product Categories/Family for KAT681, inhibitor	Endocrinology/Hormones
Related Product Information for KAT681, inhibitor	MBS5769241 is an inhibitor targeting KAT681. KAT681 is a liver selective thyromimetic.
Product References and Citations for KAT681, inhibitor	1 Tancevsk I e al Th thyromimeti T-068 protect fro atherosclerosis Lipi Res 200 May 0(5):938-44. 2 Tancevsk I e al Th liver-selectiv thyromimeti T-068 influence revers cholestero transpor an atherosclerosi developmen i mice PLo One 201 Ja 15 (1):e8722.
Other Notes	Small volumes of KAT681, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Structure of KAT681, inhibitor
KAT681, CAS 373641-87-3



Structure of KAT681, inhibitor
KAT681, CAS 373641-87-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures.