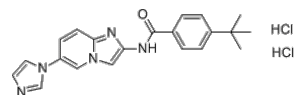


Product Name	: TCASK10
Synonyms	: TCASK 10
Cat No.	: M10050
CAS Number	: 1005775-56-3
Molecular Formula	: C ₂₁ H ₂₃ Cl ₂ N ₅ O
Formula Weight	: 432.35
Chemical Name	: 4-(1,1-Dimethylethyl)-N-[6-(1H-imidazol-1-yl)imidazo[1,2-a]pyridin-2-yl]benzamide dihydrochloride
Description	: TCASK10 is a potent, highly specific inhibitor of ASK1 with IC ₅₀ of 14 nM, 30-fold selectivity over ASK2 (IC ₅₀ =510 nM) and no activity against MEKK1, TAK1, IKKβ, ERK1, JNK1, p38α, GSK-3β, PKCθ and B-raf; blocks downstream JNK1/p38 phosphorylation in cells, dose-dependently reduces mitogen (FBS, PDGF and EGF)-induced airway smooth muscle (ASM) growth, also prevents TGFβ1-induced migration of ASM cells in vitro.
Pathway	: MAPK/ERK Signaling
Target	: MEK
Receptor	: MEK
Solubility	: —
SMILES	: <chem>CC(C)(C)C1=CC=C(C(=C1)C(=O)NC2=CN3C=C(C=CC3=N2)N4C=CN=C4.Cl.Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Terao Y, et al. Bioorg Med Chem Lett. 2012 Dec 15;22(24):7326-9. | 2. Eapen MS, et al. Clin Sci (Lond). 2018 Jul 13. pii: CS20180398.