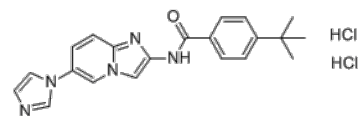


Product Name : TCASK10
Cat. No. : PC-35394
CAS No. : 1005775-56-3
Molecular Formula : $C_{21}H_{23}Cl_2N_5O$
Molecular Weight : 432.349
Target : MEKK (MAP3K)
Solubility : 10 mM in DMSO



Biological Activity

TCASK10 is a potent, highly specific inhibitor of **ASK1** with IC₅₀ of 14 nM, 30-fold selectivity over ASK2 (IC₅₀=510 nM) and no activity against MEKK1, TAK1, IKKβ, ERK1, JNK1, p38α, GSK-3β, PKCθ and B-raf.

TCASK10 blocks downstream JNK1/p38 phosphorylation in cells, dose-dependently reduces mitogen (FBS, PDGF and EGF)-induced airway smooth muscle (ASM) growth.

TCASK10 also prevents TGF β 1-induced migration of ASM cells in vitro.

References

Terao Y, et al. **Bioorg Med Chem Lett**. 2012 Dec 15;22(24):7326-9.

Eapen MS, et al. **Clin Sci (Lond)**. 2018 Jul 13. pii: CS20180398.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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