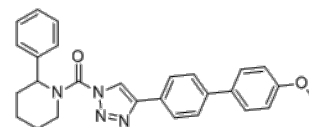


Product Name : KT-195
Cat. No. : PC-61840
CAS No. : 1402612-58-1
Molecular Formula : C₂₇H₂₆N₄O₂
Molecular Weight : 438.5
Target : Phospholipase
Solubility : 10 mM in DMSO



Biological Activity

KT-195 (ML 295) is a potent and selective inhibitor of serine hydrolase **ABHD6** (α/β -hydrolase domain-containing protein 6) with IC₅₀ of 10 nM.

KT-195 displays negligible activity against other serine hydrolases such as DAGL β .

KT-195 induce a significant accumulation of 2-AG in Neuro2a cells.

KT-195 inhibits A23187-stimulated arachidonic acid release (IC₅₀=0.7 μ M) and LDH release from IMLF $-/-$.

KT-195 inhibits MPTP formation and cell death, blocks mitochondrial calcium uptak.

References

Hsu KL, et al. *Nat Chem Biol*. 2012 Dec;8(12):999-1007.

Yun B, et al. *J Biol Chem*. 2014 Jan 17;289(3):1491-504.

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

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