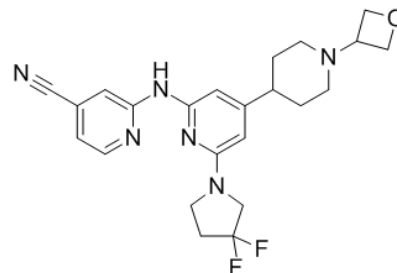


Product Name : GNE-3511
Cat. No. : PC-43286
CAS No. : 1496581-76-0
Molecular Formula : C₂₃H₂₆F₂N₆O
Molecular Weight : 440.489
Target : MEKK (MAP3K)
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

GNE-3511 (GNE3511) is a potent, selective, orally bioavailable, brain-penetrant dual leucine zipper kinase (**DLK, MAP3K12**) inhibitor with K_i of <0.5 nM, displays >100-fold selectivity over MKK4/7, JNK1/2/3, MLK1/2/3.

GNE-3511 inhibits p-JNK with IC₅₀ of 30 nM, displays concentration-dependent protection of neurons from degeneration in vitro (DRG IC₅₀=107 nM).

GNE-3511 demonstrates dose-dependent activity in multiple animal models of neurodegenerative disease.

References

Patel S, et al. *J Med Chem.* 2015 Jan 8;58(1):401-18.

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

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