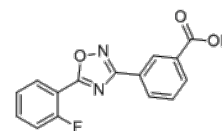


Product Name : PTC-124
Cat. No. : PC-21295
CAS No. : 775304-57-9
Molecular Formula : C₁₅H₉FN₂O₃
Molecular Weight : 284.25
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

PTC-124 (Ataluren, PTC124) is an orally bioavailable small molecule that selectively induces ribosomal readthrough of premature but not normal termination codons.

PTC-124 (Ataluren) promotes suppression of the human CFTR-G542X nonsense allele in cystic fibrosis (CF) mouse model.

PTC-124 (Ataluren) is a potent firefly luciferase (FLuc) inhibitor with IC₅₀ of 7 nM.

PTC-124 (Ataluren) promotes ribosomal readthrough of premature stop codons in mRNA and offers therapeutic potential for multiple genetic diseases.

References

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Du M, et al. Proc Natl Acad Sci U S A. 2008 Feb 12;105(6):2064-9.

Welch EM, et al. Nature. 2007 May 3;447(7140):87-91.

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

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