

Product Datasheet

CH5424802 analog

Catalog No. **BP-02500** · CAS **1256577-71-5** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-10**

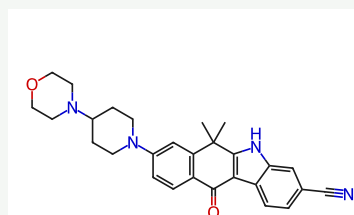
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Target Anaplastic lymphoma kinase (ALK)	Research area Cancer
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Molecular formula **C₂₈H₃₀N₄O₂**

Molecular weight **454.5634**

STRUCTURE



DESCRIPTION

Alectinib analog (CH5424802 analog) is a selective ALK inhibitor with activity in blocking resistance gating mutations. The synthetic optimization of alectinib analog allows it to be combined with specific peptides to improve the ability to target cancer cells. Alectinib analog exhibits low micromolar IC₅₀ values in antiproliferation and shows good cytotoxic effects. The inhibitory activity of alectinib analog is closely related to its stability and release of active ingredients. Alectinib analog demonstrated the ability to inhibit vascular septal length or width in an in vivo zebrafish model .

SOLUBILITY

Soluble in DMSO

REFERENCES

[1]. Synthesis and Anti-Angiogenic Activity of Novel c(RGDyK) Peptide-Based JH-VII-139-1 Conjugates

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