

Product Datasheet

Derazantinib hydrochloride

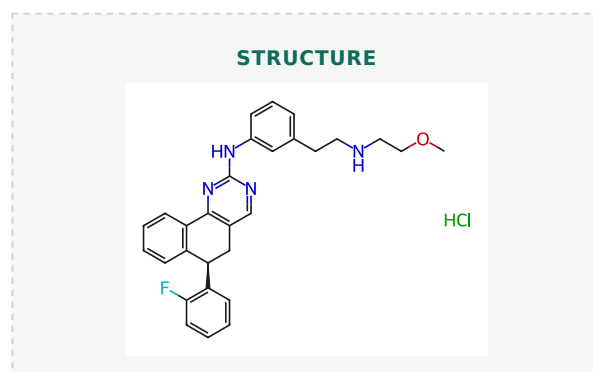
Catalog No. **BP-01858A** · CAS **1821329-75-2** · Form **salt** · **hydrochloride** · Physical state **solid** · Version **1.0** · Revision **2026-09-03**

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Target EGFR	Research area Cancer
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Molecular formula **C₂₉H₃₀ClFN₄O**

Molecular weight **505.0260**



DESCRIPTION

Derazantinib (ARQ-087) dihydrochloride is an ATP competitive and orally active FGFR inhibitor (IC₅₀s: 1.8 nM for FGFR2, 4.5 nM for FGFR1 and 3). Derazantinib dihydrochloride inhibits FGFR phosphorylation. Derazantinib dihydrochloride inhibits tumor growth in multiple xenograft models.

SOLUBILITY

Soluble in DMSO

REFERENCES

[1]. Hall TG, et al. Preclinical Activity of ARQ-087, a Novel Inhibitor Targeting FGFR Dysregulation. PLoS One. 2016 Sep 14;11(9):e0162594.

[2]. Balek L, et al. ARQ-087 inhibits FGFR signaling and rescues aberrant cell proliferation and differentiation in experimental models of craniosynostoses and chondrodysplasias caused by activating mutations in FGFR1, FGFR2 and FGFR3. Bone. 2017 Dec;105:57-66.

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Lot CoA and SDS are separate documents.