



XL-184 free base (Cabozantinib) Kinase Inhibitor

E1KS1119

Kinase Inhibitor Name: XL-184 free base (Cabozantinib)

Catalog Number: E1KS1119

Quantity: 10mg

1. PHYSICAL AND CHEMICAL PROPERTIES

M.W.: 501.51

Formula: C₂₈H₂₄FN₃O₅

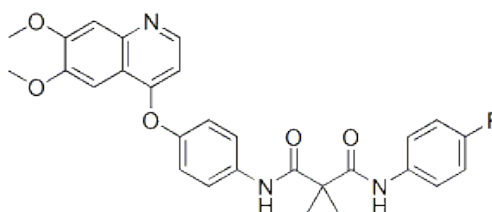
Solubility: DMSO ≥117mg/mL Water <1mg/mL Ethanol <1mg/mL

Purity: >99%

Storage: at -20°C 2 years

CAS No.: 849217-68-1

Molecular Structure:



2. Biological Activity

XL-184 free base (Cabozantinib) is a potent multitargeted VEGFR2, Met, FLT3, Tie2, Kit and Ret inhibitor with IC₅₀ of 0.035, 1.8, 14.4, 14.3 and 4.6 nM for VEGFR2, Met, FLT3, Tie2 and Kit, respectively. In cells XL-184 free base (Cabozantinib) is also very potent, with IC₅₀ under 10 nM for VEGFR2, MET, Kit and FLT3-ITD mechanistic assays. In in vitro angiogenesis assays, XL-184 free base (Cabozantinib) exhibits single-digit nanomolar potency. In mouse xenograft models, XL-184 free base (Cabozantinib), dosed orally, demonstrated dose-dependent inhibition of tumor growth and tumor regression, associated with disruption of the tumor vasculature and extensive tumor cell apoptosis.

3. References:

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.

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