

Catalog	Unit
TBI2161-5MG	5 mg
TBI2161-25MG	25 mg

Product Details

Formal Name: N-[(2R)-2,3-Dihydroxypropoxy]-3,4-difluoro-2-[(2-fluoro-4-iodophenyl)amino]-benzamide

Molecular Formula: C₁₆H₁₄F₃IN₂O₄

Formula Weight: 482.20

CAS Number: 391210-10-9

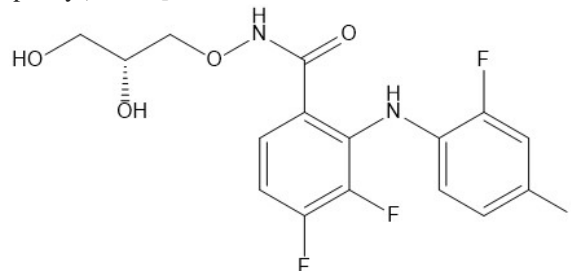
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 12 mg/ml)

Storage: RT

Stability: ≥ 1 year.



Applications

MEK inhibitor

Functions

A selective non-ATP competitive MEK inhibitor (IC₅₀ = 0.33 nM). Inhibits growth and/or proliferation of a variety of cancer cells. Enhances self-renewal of embryonic stem cells. In combination with vitamin C, synergistically induces hypomethylation of mouse embryonic stem cells. In combination with CHIR-99021 and A83-01 induces generation of ground state iPS cells from human and rat somatic cells.

Application Procedures

First dissolved in DMSO (up to 12 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.