PD 0325901
Catalogue Number: 3911091

Product Information

**Synonyms:** PD-0325901, ZINC03938683, NCGC00189075-01, (R)-N-(2,3-Dihydroxypropoxy)-3,4-difluoro-2-((2-fluoro-4-iodophenyl)amino)benzamide

**Chemical Name:** N-[(2R)-2,3-dihydroxypropoxy]-3,4-difluoro-2-(2-fluoro-4-iodoanilino)benzamide

**Molecular Formula:** C₁₆H₁₄F₃IN₂O₄

**Molecular Weight:** 482.2

**CAS Number:** 391210-10-9

**Purity:** ≥98%

**Applications:** FA

**Formulation:** Crystalline solid

**Storage:** Product should be kept at -20°C.

Description

PD 0325901 is a potent and selective MEK1 and MEK2 inhibitor. It is reported to inhibit cell proliferation and arrest cell cycle at the G0/G1 phase of thyroid cancer cells. PD 0325901 can be used with CHIR99021 to reprogram somatic cells into iPSCs and promote cell self-renewal. Studies have shown that in comparison to the CI-1040 MEK inhibitor that PD 0325901 has a greater potency of inhibition, longer duration, greater solubility, improved bioavailability, and increased metabolic stability.

Preparation & Storage

Soluble in organic solvents such as ethanol and DMSO. DMSO up to 25 mM.

References

