



Data Sheet

Research Use Only

Compound Name

PD0325901

Catalog Number

SM26

Alternative Names

PD 0325901, PD325901, PD-0325901, N-[(2R)-2,3-Dihydroxypropoxy]-3,4-difluoro-2-[(2-fluoro-4-iodophenyl)amino]-benzamide

Activity

PD0325901, a MEK inhibitor, is a synthetic organic molecule targeting mitogen-activated protein kinase (MAPK/ERK kinase or MEK).

Effect

Potential antineoplastic activity. It inhibits the growth of melanoma cell lines *in vitro* and *in vivo*.

Purity

>99%

CAS

391210-10-9, 870474-62-7

Formula

$C_{16}H_{14}F_3IN_2O_4$

Molecular Weight

482.19

Solubility

DMSO, ethanol

Stability

Stable at -20°C. Keep away from direct sunlight.

References

1. Henderson, YC., et al. 2010. Mol Cancer Ther. 9(7): 1968-1976. PMID: 20587665
2. Ying, QL., et al. 2008. Nature. 453(7194): 519-523. PMID: 18497825