



Data Sheet

Research Use Only

Compound Name

PD184352

Catalog Number

SM73

Alternative Names

PD 184352, PD-184352, CI-1040, 2-(2-Chloro-4-iodo-phenylamino)-N-cyclopropylmethoxy-3,4-difluorobenzamide

Activity

PD184352 is a highly selective non-competitive inhibitor of MEK, a kinase upstream in the mitogen-activated protein kinase pathway (MAPK).

Effect

It has anti-cancer properties, suppresses the ERK pathway, and has been used along with other classes of inhibitors to establish embryonic stem cell (ESC) lines.

Purity

>99%

CAS

212631-79-3

Formula

$C_{17}H_{14}ClF_2IN_2O_2$

Molecular Weight

478.66

Solubility

DMSO, ethanol

Stability

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

References

1. Mattingly, RR., et al. 2006. J Pharmacol Exp Ther. 316(1): 456-465. PMID: 16239399
2. Zhang, XZ. 2010. Reprod Biomed Online. 21(1): 26-36. PMID: 20462797
3. Pellicano, F., et al. 2011. Leukemia. 25(7): 1159-1167. PMID: 21483442