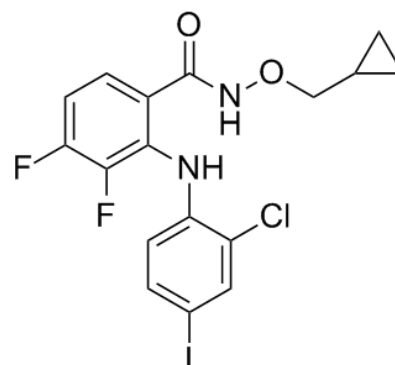


**Product Name** : PD-184352  
**Cat. No.** : PC-45828  
**CAS No.** : 212631-79-3  
**Molecular Formula** : C<sub>17</sub>H<sub>14</sub>ClF<sub>2</sub>IN<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 478.6595  
**Target** : MEK (MAP2K)  
**Solubility** : DMSO: ≥ 150 mg/mL



## Biological Activity

PD-184352 (CI-1040) is a potent, ATP non-competitive **MEK1/2** inhibitor with IC<sub>50</sub> of 17 nM in cell-based assays, displays 100-fold more selective for MEK1/2 than MEK5.

PD-184352 reduces pMAPK levels in multiple tumor cells, prevents cell cycle progression and induces G1 block.

PD-184352 suppresses growth of colon tumors in vivo.

## References

Sebolt-Leopold JS, et al. *Nat Med*, 1999, 5(7), 810-816.

Davies SP, et al. *Biochem J*, 2000, 135(1), 95-105.

Pellicano F, et al. *Leukemia*, 2011, 25(7), 1159-1167.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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