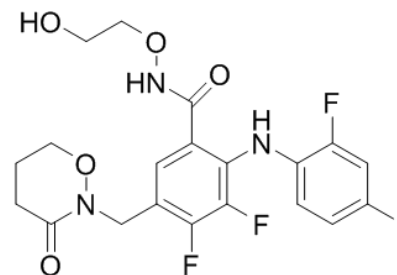


**Product Name** : RO4987655  
**Cat. No.** : PC-44036  
**CAS No.** : 874101-00-5  
**Molecular Formula** : C<sub>20</sub>H<sub>19</sub>F<sub>3</sub>IN<sub>3</sub>O<sub>5</sub>  
**Molecular Weight** : 565.2816  
**Target** : MEK (MAP2K)  
**Solubility** : DMSO: ≥ 40 mg/mL



## Biological Activity

RO4987655 (CH4987655, RG-7167) is a potent and highly selective small-molecule **MEK** inhibitor with IC<sub>50</sub> of 5.2 nM. RO4987655 exhibits anti-proliferation IC<sub>50</sub>s of 1-10 nM for COLO205 (CRC, Braf V600E), HT29 (CRC, Braf V600E), QG56 (NSCLC, HrasQ61L), MIA PaCa-2 (Panc, Kras G12C) cell lines.

## References

- Isshiki Y, et al. *Bioorg Med Chem Lett*. 2011 Mar 15;21(6):1795-801.  
Lee L, et al. *Clin Cancer Res*. 2009 Dec 1;15(23):7368-74.

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

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