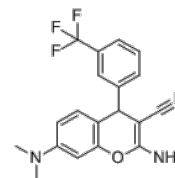


**Product Name** : Chromeceptin  
**Cat. No.** : PC-61655  
**CAS No.** : 331859-86-0  
**Molecular Formula** : C<sub>19</sub>H<sub>16</sub>F<sub>3</sub>N<sub>3</sub>O  
**Molecular Weight** : 359.35  
**Target** : IGF-1R  
**Solubility** : 10 mM in DMSO



## Biological Activity

Chromeceptin (94G6) is a cell-permeable benzochromene that selectively impairs the viability and growth of **IGF2** (insulin-like growth factor 2)-overexpressing hepatocellular carcinoma cells, binds to **MFP-2**, stimulates the expression of IGFBP-1 and SOCS-3 through activation of STAT6.

Chromeceptin blocks insulin-induced adipogenesis in 3T3-L1 cells (100% blockage at <20 ng/uL) and selectively suppresses IGF2-dependent growth of HepG2 carcinoma cells (IC<sub>50</sub>=29 nM).

Chromeceptin is a potent **IGF2 signaling** inhibitor.

## References

Choi Y, et al. *Chem Biol*. 2006 Mar;13(3):241-9.

Jung D, et al. *Biochem J*. 2012 Dec 15;448(3):409-16.

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

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