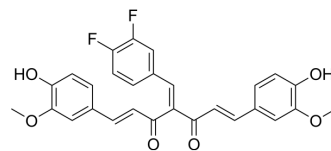


## Difluorinated Curcumin

Cat. No.:	HY-139211
CAS No.:	1170354-22-9
Molecular Formula:	C <sub>28</sub> H <sub>22</sub> F <sub>2</sub> O <sub>6</sub>
Molecular Weight:	492.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Difluorinated Curcumin (3,4-Difluorobenzylidene curcumin) is a fluorinated curcumin analog with high bioavailability and anticancer activity. Difluorinated Curcumin inhibits the self-renewal ability of tumor stem/stem-like cells, clonogenicity, invasiveness and angiogenesis of tumor cells. Difluorinated Curcumin also increases cell sensitivity to chemotherapy<sup>[1]</sup>.

### REFERENCES

[1]. Momtazi AA, et al. Difluorinated Curcumin: A Promising Curcumin Analogue with Improved Anti-Tumor Activity and Pharmacokinetic Profile. *Curr Pharm Des.* 2016;22(28):4386-97.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA