

## Product Data Sheet

Product Name: FC-116  
Cat. No.: GC73543

### Chemical Properties

Cas. No. 2417298-29-2

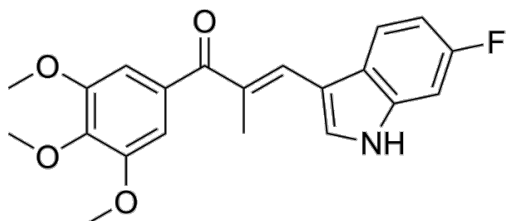
Formula  $C_{21}H_{20}FNO_4$  M.Wt 369.39

Solubility DMSO : 66.67 mg/mL (180.49 mM; Storage -20°C  
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

FC-11 is a Tubulin inhibitor that effectively inhibits tumor growth in mice. FC-11 can also induce endoplasmic reticulum (ER) stress to generate excess reactive oxygen species (ROS), leading to mitochondrial damage, thereby promoting apoptosis in colorectal cancer (CRC) cells by targeting

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

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microtubules. FC-11 can be used in cancer research.

### References:

[1]. Liu X, et al. Fluoroindole chalcone analogues targeting the colchicine binding site of tubulin for colorectal oncotherapy. Eur J Med Chem. 2023 Sep 5;257:115540.

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