

## Product Data Sheet

Product Name: CAY10406

Cat. No.: GC43150

### Chemical Properties

Cas. No. 2108603-03-6

SMILES O=C(C1=CC(S(N2[C@H](COC3=CC=C(C(F)(F)F)C=C3)CCC2)(=O)=O)=CC=C1N4CC5=CC=CC=C5)C4=O

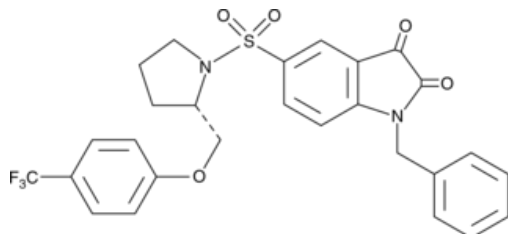
Formula C<sub>27</sub>H<sub>23</sub>F<sub>3</sub>N<sub>2</sub>O<sub>5</sub>S M.Wt 544.5

Solubility DMF: 25 mg/ml, DMF:PBS (pH 7.2) (1:2): 0.5 mg/ml, DMSO: 10 mg/ml, Ethanol: .05 mg/ml  
Storage Store at -20°C

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

CAY10406 is a trifluoromethyl analog of an isatin sulfonamide compound that selectively inhibits caspases 3 and 7. The non-trifluoromethyl compound exhibits  $K_i$  values of 1.2 nM and 6 nM for caspases 3 and 7, respectively. For all of the other caspases tested, it is 100 to 1,000 times less potent. Caspases 3 and 7 are 'effector caspases' that are downstream from the initiating steps of apoptosis, and are implicated in the main proteolytic processing of the apoptotic signal. No data is currently available for caspase inhibition by CAY10406.

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

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