

## Product Data Sheet

Product Name: SPOP-IN-2

Cat. No.: GC73937

### Chemical Properties

Cas. No. 3031640-86-2

Formula  $C_{15}H_{13}ClN_2O_5S$

M.Wt 368.79

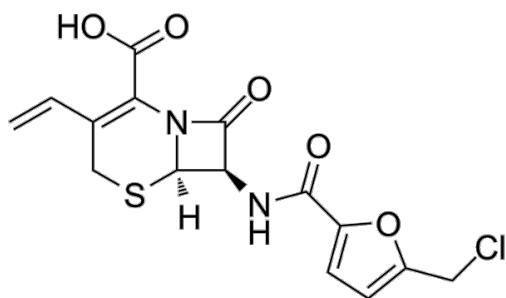
Solubility

Storage -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

SPOP-IN-2 (compound E1) is a Speckle-type POZ protein (SPOP) inhibitor with IC<sub>50</sub> of 0.58 μM, which disrupts the SPOP-substrate interaction and selectively inhibits proliferation of ccRCC.

SPOP-IN-2 (0-40 μM) binds to SPOPMATH protein through competition with puc-SBC1 peptide, disrupts the interaction between SPOPMATH and Myc-PTEN or Myc-DUSP7[1]. SPOP-IN-2 (0-50 μM) selectively inhibits the colony formation of ccRCC in cell lines OS-RC-2, 786-O, A498, and 769-P[1].

References:

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

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[1]. Zhou C, et al., Synthesis and Biological Evaluation of  $\beta$ -Lactam Derivatives Targeting Speckle-Type POZ Protein (SPOP). ACS Med Chem Lett. 2024 Jan 25;15(2):270-279.

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