

## ERK2 IN-1

## Chemical Properties

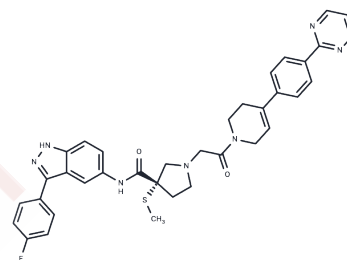
CAS No. : 1093061-47-2

Formula: C<sub>36</sub>H<sub>34</sub>FN<sub>7</sub>O<sub>2</sub>S

Molecular Weight: 647.76

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ERK2 IN-1, a selective ERK2 inhibitor, exhibits an IC <sub>50</sub> of 7 nM.
Targets(IC <sub>50</sub> )	ERK
In vitro	ERK1/2 IN-1 maintains good ERK enzymatic activity and cellular activity in BRAF/KRAS mutant wildtype cancer cell lines .

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5438 mL	7.7189 mL	15.4378 mL
5 mM	0.3088 mL	1.5438 mL	3.0876 mL
10 mM	0.1544 mL	0.7719 mL	1.5438 mL
50 mM	0.0309 mL	0.1544 mL	0.3088 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Boga SB, Discovery of 3(S)-thiomethyl pyrrolidine ERK inhibitors for oncology. Bioorg Med Chem Lett. 2018 Jun 15; 28(11):2029-2034.

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