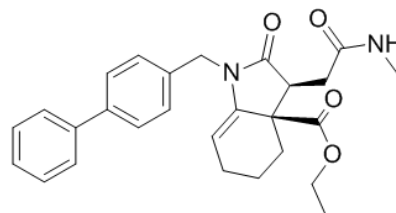


**Product Name** : Fumarate hydratase-IN-1  
**Cat. No.** : PC-42018  
**CAS No.** : 1644060-37-6  
**Molecular Formula** : C<sub>27</sub>H<sub>30</sub>N<sub>2</sub>O<sub>4</sub>  
**Molecular Weight** : 446.5381  
**Target** : Fumarase  
**Solubility** : 10 mM in DMSO



### Biological Activity

Fumarate hydratase-IN-1 is a cell-permeable small molecule inhibitor of **Fumarase (fumarate hydratase)**, an enzyme of the tricarboxylic acid cycle (TCA cycle).

Fumarate hydratase-IN-1 elicits a nutrient-dependent cytotoxicity in a number of cancer cell lines, and displays increased growth-inhibitory activity toward SW620 cell line grown in the absence of glucose.

### References

Takeuchi T, et al. *J Am Chem Soc.* 2015 Jan 21;137(2):564-7.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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