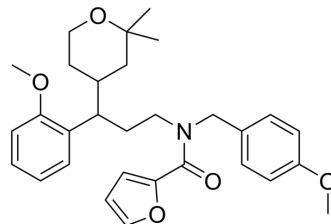


## ICMT-IN-48

Cat. No.:	HY-157116
CAS No.:	337486-54-1
Molecular Formula:	C <sub>30</sub> H <sub>37</sub> NO <sub>5</sub>
Molecular Weight:	491.62
Target:	ICMT
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

ICMT-IN-48 (compound 1) is an ICMT inhibitor that is competitive ( $K_m=13 \mu\text{M}$ ) for the prenylated methyl acceptor, the first substrate of ICMT. ICMT-IN-48 inhibits ICMT activity with  $IC_{50}$ s affected by the concentration of the second substrate S-adenosylmethinine (SAM), and the  $IC_{50}$ s are  $3.5 \mu\text{M}$  ( $1 \times K_m$  SAM) and  $2.3 \mu\text{M}$  ( $10 \times K_m$  SAM), respectively<sup>[1]</sup>.

## REFERENCES

[1]. Judd WR, et al. Discovery and SAR of methylated tetrahydropyranyl derivatives as inhibitors of isoprenylcysteine carboxyl methyltransferase (ICMT). J Med Chem. 2011 Jul 28;54(14):5031-47.

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

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