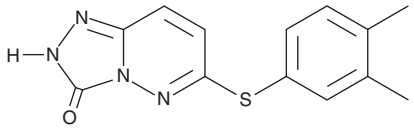
PRODUCT INFORMATION

Carboxylesterase-IN-2

Item No. 46240

CAS Registry No.:	2764748-88-9
Formal Name:	6-[(3,4-dimethylphenyl)thio]-1,2,4-triazolo[4,3-b]pyridazin-3(2H)-one
Synonym:	Carboxylesterase Inhibitor 2
MF:	$C_{13}H_{12}N_4OS$
FW:	272.3
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Carboxylesterase-IN-2 is supplied as a solid. A stock solution may be made by dissolving the carboxylesterase-IN-2 in the solvent of choice, which should be purged with an inert gas. Carboxylesterase-IN-2 is soluble (≥10 mg/ml) in DMSO.

Description

Carboxylesterase-IN-2 is an inhibitor of palmitoleoyl-protein carboxylesterase NOTUM (IC_{50} = 27 nM), an enzyme involved in the deacylation of Wnt.[1] It prevents NOTUM-induced decreases in Wnt3a signaling in a cell-based reporter assay (EC_{50} = 300 nM).

Reference

1. Steadman, D., Atkinson, B.N., Zhao, Y., *et al.* Virtual screening directly identifies new fragment-sized inhibitors of carboxylesterase notum with nanomolar activity. *J. Med. Chem.* **65(1)**, 562-578 (2022).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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