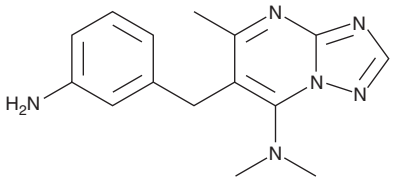
PRODUCT INFORMATION

ENPP1 Inhibitor C

Item No. 29809

CAS Registry No.:	2378640-92-5
Formal Name:	6-[(3-aminophenyl)methyl]-N,N,5-trimethyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-amine
MF:	$C_{15}H_{18}N_6$
FW:	282.3
Purity:	≥98%
UV/Vis.:	λ_{max}: 231 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥2 years



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

Laboratory Procedures

ENPP1 inhibitor C is supplied as a crystalline solid. A stock solution may be made by dissolving the ENPP1 inhibitor C in the solvent of choice, which should be purged with an inert gas. ENPP1 inhibitor C is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of ENPP1 inhibitor C in these solvents is approximately 30 mg/ml.

Description

ENPP1 inhibitor C is an inhibitor of ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1; IC_{50} = 0.26 µM in a cell-free assay).[1] It is selective for ENPP1 over ENPP2-7 at 10 µM. ENPP1 inhibitor C decreases ENPP1 activity in MDA-MB-231 human breast and C6 rat glioma cancer cells when used at a concentration of 10 µM.

Reference

1. Kawaguchi, M., Han, X., Hisada, T., *et al.* Development of an ENPP1 fluorescence probe for inhibitor screening, cellular imaging, and prognostic assessment of malignant breast cancer. *J. Med. Chem.* **62(20)**, 9254-9269 (2019).

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