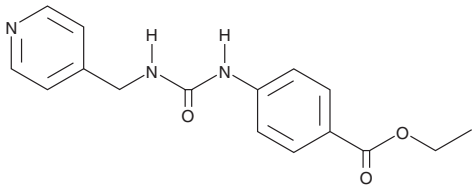
PRODUCT INFORMATION

Nampt Activator-1

Item No. 46510

CAS Registry No.: 701929-65-9
Formal Name: 4-[[[(4-pyridinylmethyl)amino]carbonyl] amino]-benzoic acid, ethyl ester
Synonyms: Nicotinamide Phosphoribosyltransferase Activator-1, SBI-0136892
MF: $C_{16}H_{17}N_3O_3$
FW: 299.3
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

Nampt activator-1 is supplied as a solid. A stock solution may be made by dissolving the Nampt activator-1 in the solvent of choice, which should be purged with an inert gas. Nampt activator-1 is slightly soluble (0.1-1 mg/ml) in ethanol and sparingly soluble (1-10 mg/ml) in DMSO.

Description

Nampt activator-1 is an activator of nicotinamide phosphoribosyltransferase (Nampt).[1,2] It increases nicotinamide mononucleotide (NMN) levels in a cell-free assay (EC_{50} = 3.25 µM).[2]

References

1. Gardell, S.J., Hopf, M., Khan, A., *et al.* Boosting NAD^+ with a small molecule that activates NAMPT. *Nat. Commun.* **10(1)**, 3241 (2019).
2. Pinkerton, A.B., Sessions, E.H., Hershberger, P., *et al.* Optimization of a urea-containing series of nicotinamide phosphoribosyltransferase (NAMPT) activators. *Bioorg. Med. Chem. Lett.* **41**, 128007 (2021).

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
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