

L-Azidonorleucine hydrochloride Biochemical

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CATALOG #
AAA227737

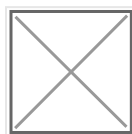
PRODUCT SYNONYMS

L-Azidonorleucine hydrochloride; L-Azidonorleucine hydrochloride biochemical

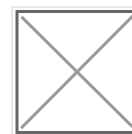
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1454334-76-9
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	When L-Azidonorleucine (ANL) is administered via the drinking water, an average daily L-Azidonorleucine intake of 0.9 mg/day/g of body weight for 21 d when aiming to label and identify neuronal populations of the brain are recommended. Lower dosages or shorter labeling times might be used for the labeling of other cell types. When L-Azidonorleucine is administered by i.p. injection, the testing different L-Azidonorleucine doses in the range of 4-400 mM are recommended. A 400 mM dosage administered by i.p. (i.p. volume: 10 ml/kg) once per day for 1 week is recommended for labeling some neuronal populations (such as excitatory neurons of the hippocampus). Lower dosages (e.g., 4 mM) can potentially be used for labeling other cell types or when longer labeling periods are desired[2].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
CXCL12 ligand 1, CAS 2045891-59-4



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ADDITIONAL INFORMATION

Related Product Information for L-Azidonorleucine hydrochloride biochemical	L-Azidonorleucine hydrochloride, an unnatural amino acid, is A Methionine surrogate. L-Azidonorleucine hydrochloride can be used to label mammalian cell proteins and identify a diverse set of methionyl-tRNA synthetase (MetRS) mutants.
References	1. Sprague DJ, et al. Trisubstituted 1,3,5-Triazines: The First Ligands of the sY12-Binding Pocket on Chemokine CXCL12. ACS Med Chem Lett. 2021 Oct 18;12(11):1773-1782.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.