Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Aftin-4

Product overview

Name Aftin-4 Cat No HB3741 **Purity** >98%

Description Roscovitine-related purine with no activity on CDKs. Roscovitine control. Increases $A\beta_{42}$ production.

Biological Data

Biological description

Roscovitine-related purine with no activity on CDKs (used as control for roscovitine). Selectively and potently increases production of extracellular Abeta42 and decreases production of extracellular Abeta38 in cultured cells. Extracellular Abeta40 levels remain stable. Intracellular levels of these amyloids appear to remain stable. Alzheimer's Disease (AD) accelerator that interacts with VDAC1, prohibitin and mitofilin, possibly interfering with subcellular compartmentalization and lipid rafts properties, shifting gamma-secretase activity toward Abeta42 generation. Induces a reversible mitochondrial phenotype reminiscent of the one observed in AD brains. Tool to detect inhibitors of Aftininduced actions (potential anti-AD compounds). Binds pyridoxal kinase.

Solubility & Handling

Storage instructions Storage of solutions +4°C

Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Molecular Weight Chemical structure 368.5

Molecular Formula **CAS Number** InChiKey **Appearance**

 $C_{20}H_{28}N_6O$ 866893-90-5

YPYWONAECUVKHY-MRXNPFEDSA-N

White to off-white solid