

## Ara-F-NAD<sup>+</sup> biochemical

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CATALOG #  
**AAA227594**

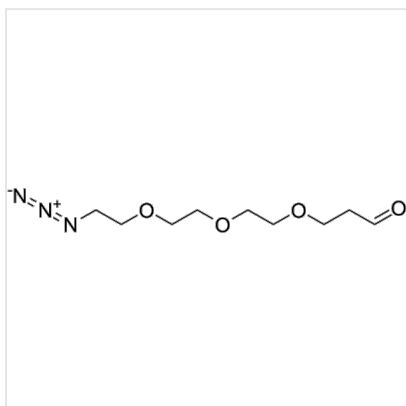
### PRODUCT SYNONYMS

Ara-F-NAD<sup>+</sup>; Ara-F-NAD<sup>+</sup> biochemical

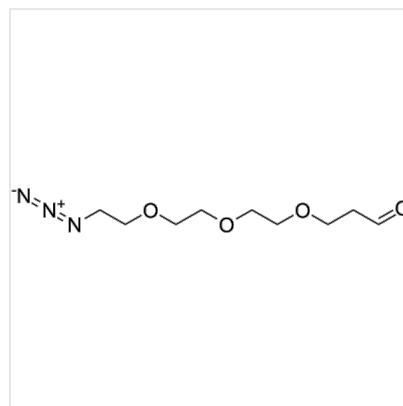
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CAS                     | 133575-27-6                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Solubility              | <1mg/ml refers to the product slightly soluble or insoluble                                                                                                                                                                                                                                                                                                                                                                         |
| In vitro                | The leucocyte surface antigen CD38 has been shown to be an ecto-enzyme with multiple catalytic activities. It is principally a NAD <sup>+</sup> glycohydrolase that transforms NAD <sup>+</sup> into ADP-ribose and nicotinamide. CD38 is also able to produce small amounts of cyclic ADP-ribose (ADP-ribosyl cyclase activity) and to hydrolyse this cyclic metabolite into ADP-ribose (cyclic ADP-ribose hydrolase activity)[1]. |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                                                                                                                                                                                                                                                                                                                                                            |

### IMAGES



Structure  
Azido-PEG3-aldehyde, CAS 1807530-10-4



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Azido-PEG3-aldehyde, CAS 1807530-10-4

### ADDITIONAL INFORMATION

|                                                                    |                                                                                                                                                             |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Ara-F-NAD <sup>+</sup> biochemical | Ara-F-NAD <sup>+</sup> , an arabino analogue of NAD <sup>+</sup> , is a potent, slow-binding CD38 NADase inhibitor, with a K <sub>i</sub> of 169 nM.        |
| References                                                         | 1. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562 |

### NCBI AND UNIPROT INFORMATION

|                  |         |
|------------------|---------|
| Molecular Weight | 231.252 |
|------------------|---------|

**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.

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Online datasheet: <https://www.aaabiotech.com/biochemical/ara-f-nad/227594>