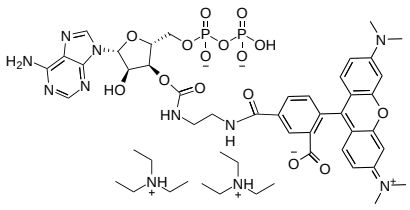
ADP-TAMRA conjugate [5-TAMRA-eda-ADP]

Catalog Number: 13606
Unit Size: 100 nmol

Product Details

Storage Conditions	Freeze (< -15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Solid red
Molecular Weight	1309.30
Soluble In	DMSO
Chemical Structure	

Spectral Properties

Excitation Wavelength	552 nm
Emission Wavelength	578 nm

Applications

Fluorescently labeled ADP molecules are useful for screening ADP-binding enzymes and other protein targets for drug discovery, such as kynurenine 3-monooxygenase (KMO) and N-hydroxylating monooxygenases (NMOs). NMOs are essential for pathogenesis in fungi and bacteria. NMOs catalyze the hydroxylation of sine and ornithine in the biosynthesis of hydroxamate-containing siderophores. Inhibition of KMO, which catalyzes the conversion of kynurenine to 3-hydroxykynurenine, alleviates neurodegenerative disorders such as Huntington's and Alzheimer's diseases and brain infections caused by the parasite Trypanosoma brucei.

©2026 AAT Bioquest, Inc. Last revised October 2026. For more information and tools, please visit https://www.aatbio.com