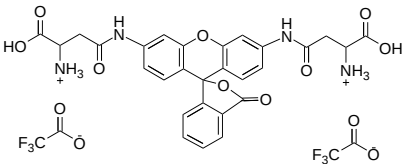
Bis-L-Aspartic acid Beta-rhodamine 110

Catalog Number: 13480
Unit Size: 1 mg

Product Details

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

Chemical Properties

Appearance	Solid
Molecular Weight	788.57
Soluble In	DMSO
Chemical Structure	

Spectral Properties

Excitation Wavelength	500 nm
Emission Wavelength	522 nm

Applications

Bis-L-Aspartic acid β-rhodamine 110 is a sensitive fluorogenic substrate for studying lysosomal glycoasparaginases (aspartylglucosaminidases) and L-asparaginases. It is used for the assays for lysosomal glycoasparaginase (aspartylglucosaminidase) activity and the diagnosis of aspartylglucosaminuria. Aspartylglucosaminidase is an amidohydrolase enzyme involved in the catabolism of N-linked oligosaccharides of glycoproteins. It cleaves asparagine from N-acetylglucosamines as one of the final steps in the lysosomal breakdown of glycoproteins. The lysosomal storage disease aspartylglycosaminuria is caused by a deficiency in the AGA enzyme.

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