
Product Information Sheet

Ordering Information

Product Number:	13480
Product Name:	Bis-L-Aspartic acid γ -rhodamine 110
Unit Size:	1 mg
Storage Conditions:	Freeze (<-15 °C), Minimize light exposure
Expiration Date:	12 months upon receiving

Chemical and Spectral Properties

Appearance:	Solid
Molecular Weight:	788.57
Soluble In:	DMSO
Excitation Wavelength:	498
Emission Wavelength:	520

Application Notes

Bis-L-Aspartic acid γ -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.