Glycated HSA Fluorecein Boronic Acid small molecule (tool compound)

Catalogue number: 154473
Sub-type:
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Glycated HSA Fluorecein Boronic Acid small molecule (tool compound)

Alternate name: AGEs

Class:
Conjugate:
Description: Protein glycation, also known as non-enzymatic glycosylation, has been implicated in various disease states and is therefore an important biomarker for ageing and age-related chronic diseases such as diabetes, cardiovascular diseases, autoimmune diseases, cancer, and Alzheimer's disease. However their analysis is challenging due to the complexity of the protein-carbohydrate adducts. Fluorescent boronic acids like these enable the detection and identification of individual glycated proteins in...
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes: This small molecule has been used to identify glycated proteins in human serum, insect hemolymph, and mouse brain homogenates.

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format:
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry Ice

Related tools

Related tools:

References

References: Ogata et al. 2016. J Hum Genet. 61(2):87-94. PMID: 26377239. ; Ito et al. 2015. Development. 142(14):2425-30. PMID: 26138477. ; Riordan et al. 2013. PLoS Genet. 9(4):e1003441. PMID: 23593033. ; Byrne et al. 2010. PLoS One. 5(1):e8638. PMID: 20072617. ; Hagan et al. 2009. PLoS One. 4(2):e4352. PMID: 19194500. ; Sekita et al. 2008. Nat Genet. 40(2):243-8. PMID: 18176565. ; Lin et al. 2003. Nat Genet. 35(1):97-102. PMID: 12937418.