

# Glycated HSA Rhodamine Boronic Acid small molecule (tool compound)

**Catalogue number:** 154474

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Marta P. Pereira Morais

**Institute:** University of Bath

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Glycated HSA Rhodamine 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 glycosylated proteins in human serum, insect hemolymph, and mouse brain homogenates.

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**IC<sub>50</sub>:**

## 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:** Pereira Morais et al. 2013. Sci Rep. 3:1437. PMID: 23531746.

CancerTools.org