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## DATASHEET

Thioflavin S (ThioS)

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### Product overview

<b>Name</b>	Thioflavin S (ThioS)
<b>Cat No</b>	HB5134
<b>Biological description</b>	Fluorescent amyloid $\beta$ dye with $\beta$ -sheet binding properties which is commonly used to observe amyloid plaque accumulation and to detect amyloid pathology.
<b>Alternative names</b>	ThioS, ThS
<b>Biological action</b>	Dyes & stains
<b>Description</b>	Fluorescent amyloid $\beta$ dye, used to detect amyloid pathology.

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### Biological Data

<b>Application notes</b>	Please see our <a href="#">Amyloid Beta Protocol</a>
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<b>Solubility overview</b>	Soluble in DMSO (100 mg/ml)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

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### Chemical Data

<b>CAS Number</b>	1326-12-1 (Mixture of compounds)
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### References

**Thioflavin-positive tau aggregates complicating quantification of amyloid plaques in the brain of 5XFAD transgenic mouse model.**

Shin J et al (2021) Scientific reports 11

**PubMedID** [33452414](#)

**Morphological characterization of Thioflavin-S-positive amyloid plaques in transgenic Alzheimer mice and effect of passive Abeta immunotherapy on their clearance.**

Bussi re T et al (2004) The American journal of pathology 165

**PubMedID** [15331422](#)

**Thioflavin-S staining coupled to flow cytometry. A screening tool to detect in vivo protein aggregation.**

Espargar  A et al (2012) Molecular bioSystems 8

**PubMedID** [22868714](#)

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