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DATASHEET

Thioflavin S (ThioS)

Product overview

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

Biological Data

Application notes	Please see our Amyloid Beta Protocol
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Solubility & Handling

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

Chemical Data

CAS Number	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.

