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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

Solubility & Handling

Storage instructions Room temperature

Solubility overview Soluble in DMSO (100 mg/ml)

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

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)

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.

Bussière 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.

Espargaró A et al (2012) Molecular bioSystems 8 **PubMedID**22868714

