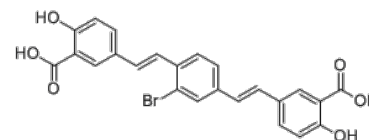


**Product Name** : Senile plaques (SPs) probe BSB  
**Cat. No.** : PC-38734  
**CAS No.** : 291766-06-8  
**Molecular Formula** : C<sub>24</sub>H<sub>17</sub>BrO<sub>6</sub>  
**Molecular Weight** : 481.298  
**Target** : Amyloids  
**Solubility** : 10 mM in DMSO



## Biological Activity

Senile plaques (SPs) probe BSB is a chemical probe that can detect accumulation of A $\beta$  in senile plaques (SPs) in vivo, exhibits high binding affinity for A $\beta$  aggregates in vitro (K<sub>i</sub>=0.4  $\mu$ M).

BSB specifically labels SPs in postmortem AD brain sections with excellent fluorescent properties ( $\lambda_{ab}$  = 340 nm;  $\lambda_{em}$  = 520 nm) and lipophilicity.

BSB effectively labels A $\beta$  aggregates in vivo.

BSB shows potential as an antemortem diagnostic for Alzheimer's disease (AD).

## References

D M Skovronsky, et al. Proc Natl Acad Sci U S A. 2000 Jun 20;97(13):7609-14.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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