

**WSP-1 \*CAS 1352750-34-5\***

Catalog number: 21509

Unit size: 1 mg

## Product Details

---

Storage Conditions Freeze (&lt;15 °C), Minimize light exposure

Expiration Date 12 months upon receiving

## Chemical Properties

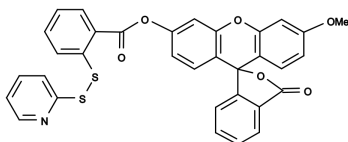
---

Appearance Off-white solid

Molecular Weight 561.65

Soluble In DMSO

Chemical Structure



## Applications

---

Hydrogen sulfide (H<sub>2</sub>S) is an important gaseous mediator, like nitric oxide, that has significant effects on the immunological, neurological, cardiovascular and pulmonary systems of mammals. WSP-1 is a reactive disulfide-containing, fluorescent probe designed to detect H<sub>2</sub>S in biological samples and cells. Through a reaction-based fluorescent turn-on strategy, WSP-1 selectively and rapidly reacts with H<sub>2</sub>S to generate benzodithiolone and a fluorophore with excitation and emission maxima of 465 and 515 nm, respectively.