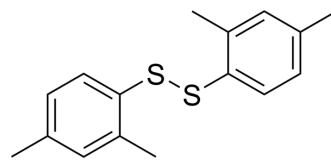


## Dixylyl disulphide

Cat. No.:	HY-W394935
CAS No.:	13616-83-6
Molecular Formula:	C <sub>16</sub> H <sub>18</sub> S <sub>2</sub>
Molecular Weight:	274.44
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Dixylyl disulphide (Disulfide, bis(2,4-dimethylphenyl)) is a 1,2-bis(2,4-dimethylphenyl) thioether that can serve as an impurity reference standard for hydrobromide vortioxetine, used for monitoring impurities in the synthesis process. Hydrobromide vortioxetine is a 5-HT<sub>3</sub>, 5-HT<sub>7</sub>, and 5-HT<sub>1D</sub> receptor antagonist and a 5-HT<sub>1A</sub> receptor agonist, exhibiting antidepressant activity<sup>[1]</sup>.

### REFERENCES

[1]. Wang et al, Preparation method of bis(2,4-dimethylphenyl)disulfide for impurity reference substance of Vortioxetine hydrobromide, CN108250113, China, 2018-07-06

**Caution: Product has not been fully validated for medical applications. For research use only.**

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