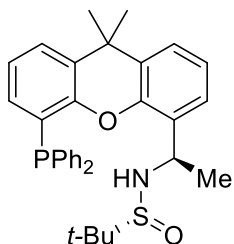


Catalog # 15-0211

[S(R)]-N-[(R)-1-[5-(Diphenylphosphino)-9,9-dimethyl-9H-xanthen-4-yl]ethyl]-2-methyl-2-propanesulfonamide, 95%

Offered in collaboration with **Daicel Chiral Technologies (China) CO. LTD**

## Technical Notes:

A series of chiral **sulfonamide phosphine** (SadPhos) ligands with structural diversity and practical stability are based on non-C<sub>2</sub> symmetry. Upon practical applications, the above SadPhos ligands have been evidenced to show good catalytic performance in a series of asymmetric cyclization, cycloaddition, Pd catalyzed asymmetric coupling reactions, kinetic resolutions, Au catalyzed asymmetric hydroarylation, ring-closing/ring-opening reactions and many others [1-12].

## References:

1. [Angew. Chem. Int. Ed. 2014, 53, 4350.](#)
2. [Angew. Chem. Int. Ed. 2015, 54, 6874.](#)
3. [Angew. Chem. Int. Ed. 2015, 54, 14853.](#)
4. [Chem. Commun., 2016, 52, 7612.](#)
5. [J. Org. Chem. 2016, 81, 9315.](#)
6. [Angew. Chem. Int. Ed. 2017, 56, 15905.](#)
7. [Angew. Chem. Int. Ed. 2018, 57, 10373.](#)
8. [J. Am. Chem. Soc. 2018, 140, 3467.](#)
9. [J. Am. Chem. Soc. 2019, 141, 19246.](#)
10. [J. Am. Chem. Soc. 2019, 141, 20556.](#)
11. [Angew. Chem. Int. Ed. 2020, 59, 2769.](#)
12. [ACS Catal. 2020, 10, 1548.](#)
13. [Chem. Sci., 2020, 11, 9983.](#)
14. [Nat. Commun. 2021, 12, 4609.](#)
15. [J. Am. Chem. Soc. 2021, 143, 17983.](#)