🖰 <u>CHEMISTRY</u>



# Stable Fluorinating Reagent with Ease of Handling FLUOLEAD™



# Advantages

- Thermally Stable
- Easy to Handle
- Widely Applicable to Various Substrates

4-*tert*-Butyl-2,6-dimethylphenylsulfur Trifluoride (FLUOLEAD<sup>™</sup>) [B3664], which was first reported by Umemoto, is a novel nucleophilic fluorinating reagent. Differing from other existing fluorinating reagents, such as DAST, B3664 is a crystalline solid with high thermal stability, which makes it easier to handle. B3664 fluorinates a variety of substrates to afford the corresponding fluorinated compounds in good yields.



References 1) T. Umemoto, R. P. Singh, Y. Xu, N. Saito, *J. Am. Chem. Soc.* **2010**, *132*, 18199. https://doi.org/10.1021/ja106343h 2) T. Umemoto, *EROS* **2013**. https://doi.org/10.1002/047084289X.rn01524



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