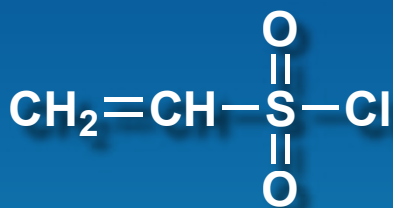


Highly Reactive, Multi-Purpose Building Block: Ethenesulfonyl Chloride



Ethenesulfonyl Chloride

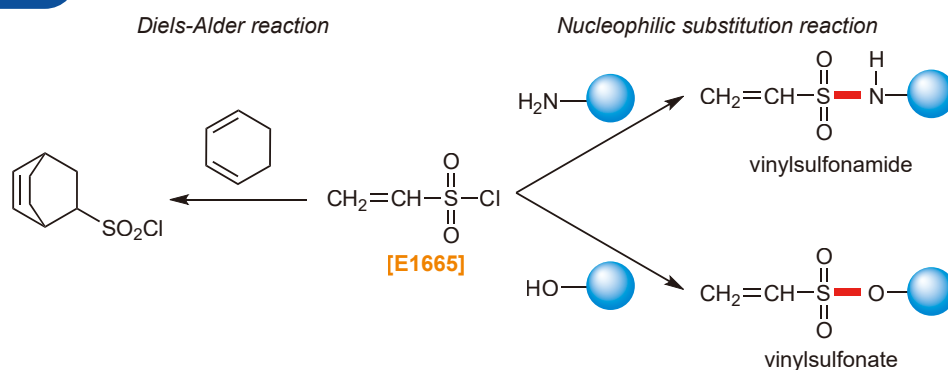
5g / 25g

[E1665]

Advantages

- **Nucleophilic substitutions:** E1665 reacts rapidly with nucleophiles under mild conditions, enabling introduction of vinylsulfonyl groups.
- **Diels-Alder reactions** at room temperature have been reported.
- **Suitable for sequential substituent introduction.**
- **Available in large quantities.**

Applications



Reaction of nucleophiles to afford vinyl sulfonamides / vinyl sulfonates

Vinyl sulfonamides can further react with thiols and amines in biological systems, making them useful as reactive moieties ("warheads") in covalent drug research.¹⁾

Diels-Alder Reaction

Due to its high electrophilicity, the Diels-Alder reaction proceeds under mild conditions.²⁾

- References**
- 1) F. Toulotte *et al.*, *Eur. J. Med. Chem.* **2025**, 282, 117026. <https://doi.org/10.1016/j.ejmech.2024.117026>
 - 2) R. M. Moriarty, S. Tyagi, *Org. Lett.* **2010**, 12, 364. <https://doi.org/10.1021/ol9026655>

Related Product

Ethenesulfonyl Fluoride

1g [V0143]

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