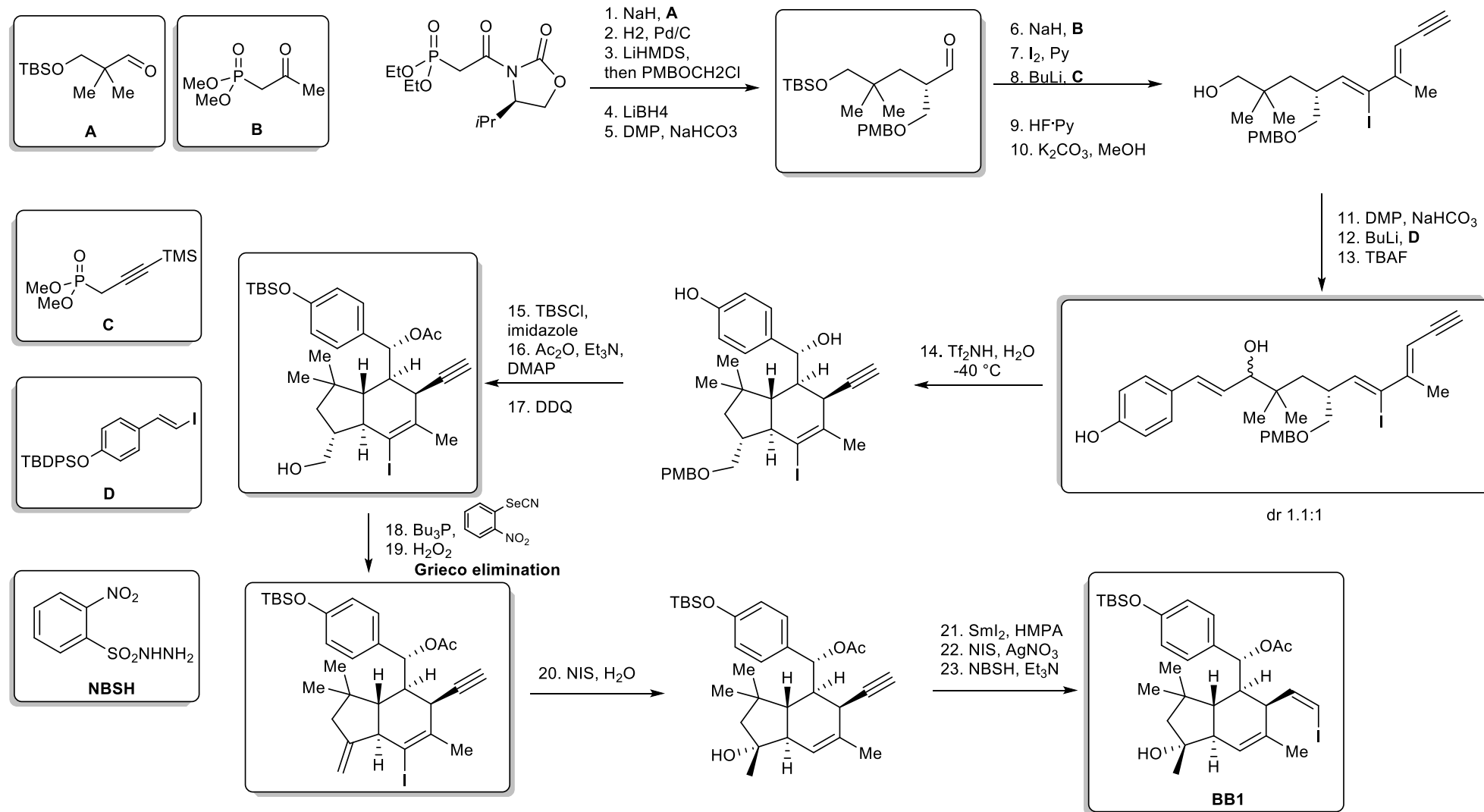
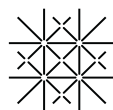


# E181: Total synthesis of Elansolid A2

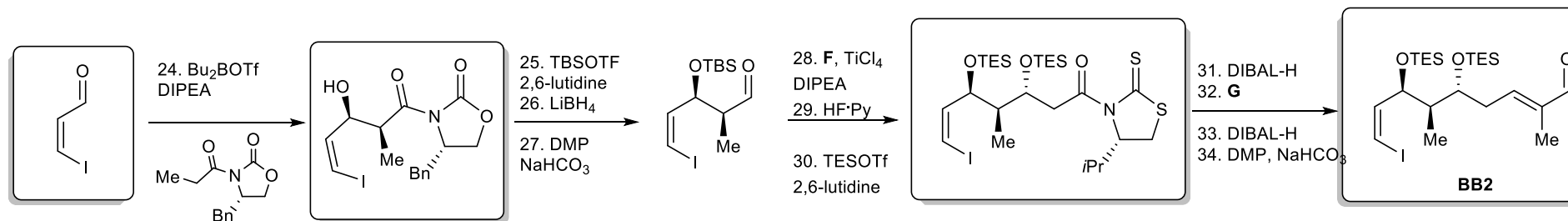


[1] Wang, L.L.; Yu, Q.; Zhang, W.; Yang, S.; Peng, L.; Zhang, L., Li, X.N.; Gagosz, F.; Kirschning, A. *J. Am. Chem. Soc.* **2022**, *144*, 6871-6881. [2] Step 28: Nagao, Y.; Hagiwara, Y.; Kumagai, T.; Ochiai, M. *J. Org. Chem.* **1986**, *51*, 2391-2393. [3] Ti<sub>2</sub>CO<sub>3</sub> in step 42: Marko, I.E.; Murphy, F.; Dolan, S. *Tetrahedron Lett.* **1996**, *37*, 2507-2510.

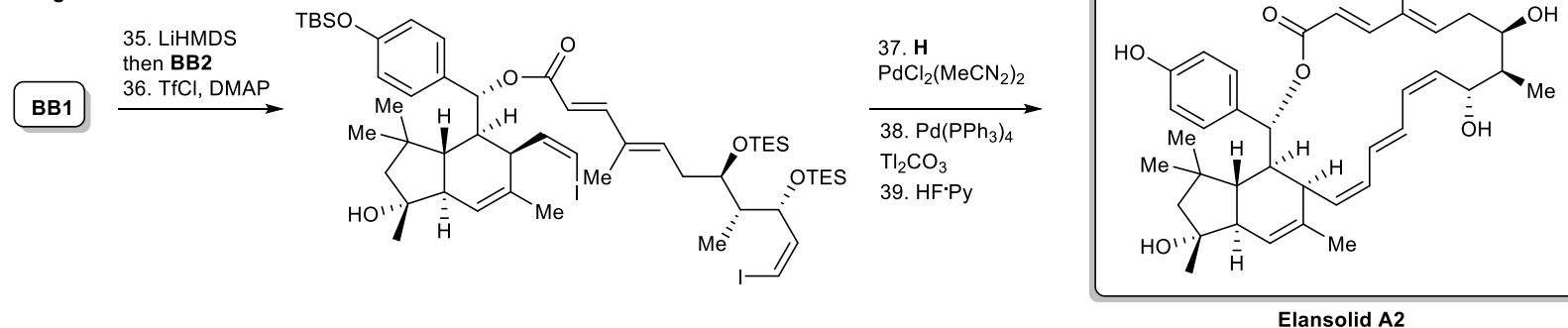


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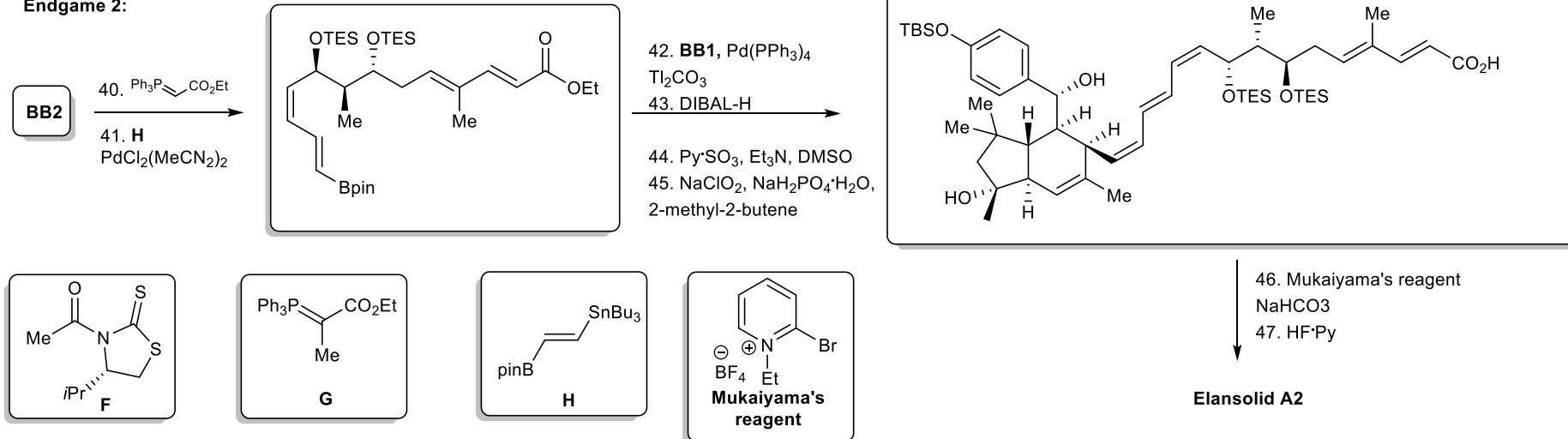
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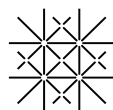
**Endgame 1:**



**Endgame 2:**



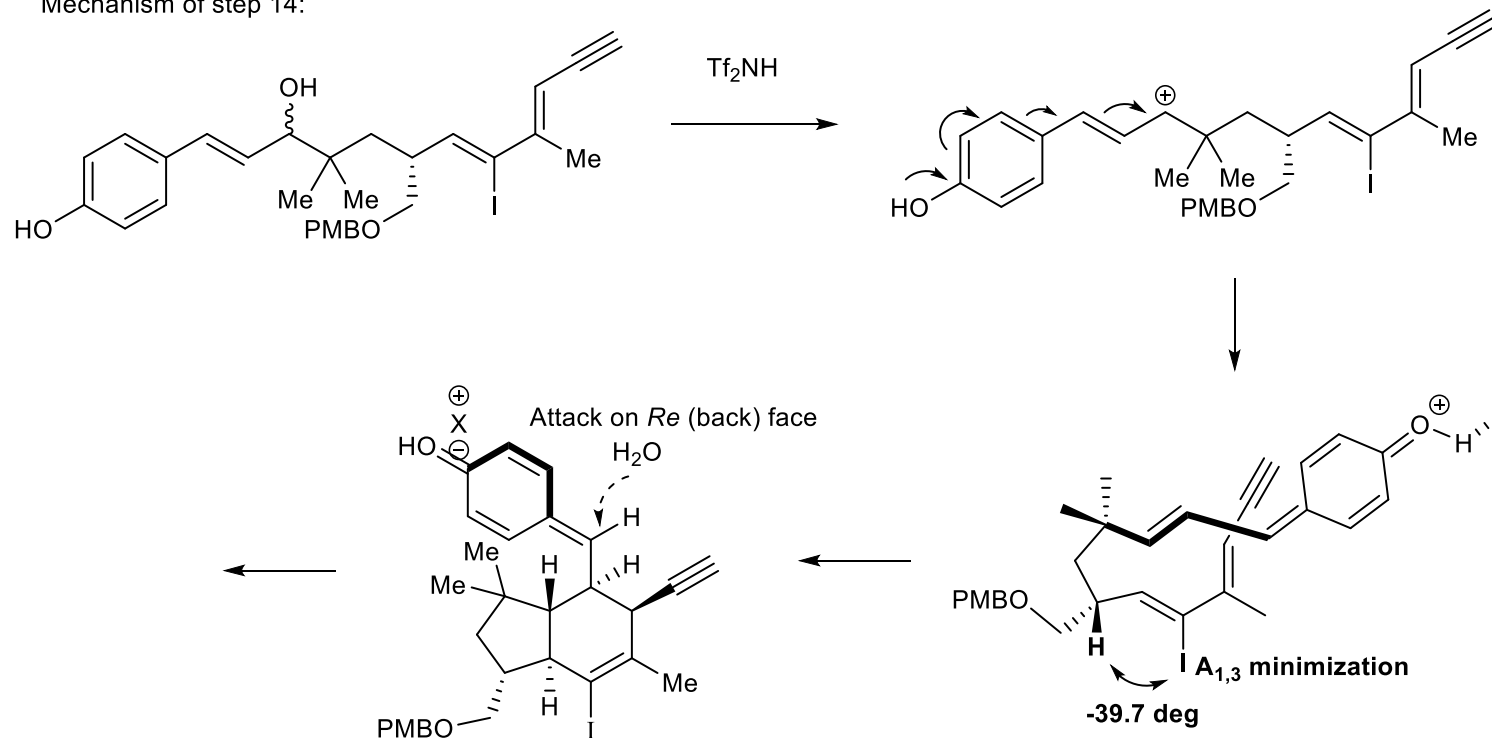
[1] Wang, L.L.; Yu, Q.; Zhang, W.; Yang, S.; Peng, L.; Zhang, L., Li, X.N.; Gagosz, F.; Kirschning, A. *J. Am. Chem. Soc.* **2022**, *144*, 6871-6881. [2] Step 28: Nagao, Y.; Hagiwara, Y.; Kumagai, T.; Ochiai, M. *J. Org. Chem.* **1986**, *51*, 2391-2393. [3]  $\text{Ti}_2\text{CO}_3$  in step 42: Marko, I.E.; Murphy, F.; Dolan, S. *Tetrahedron Lett.* **1996**, *37*, 2507-2510.



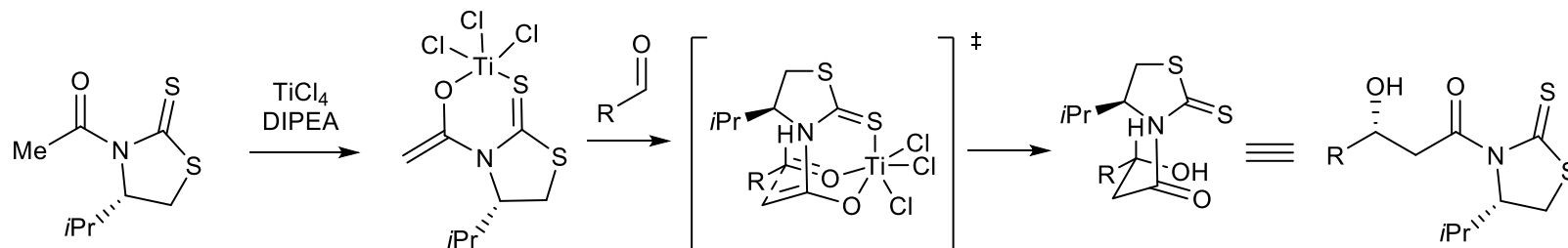
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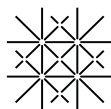
Mechanism of step 14:



Mechanism of step 28:



[1] Wang, L.L.; Yu, Q.; Zhang, W.; Yang, S.; Peng, L.; Zhang, L., Li, X.N.; Gagosz, F.; Kirschning, A. *J. Am. Chem. Soc.* **2022**, *144*, 6871-6881. [2] Step 28: Nagao, Y.; Hagiwara, Y.; Kumagai, T.; Ochiai, M. *J. Org. Chem.* **1986**, *51*, 2391-2393. [3]  $\text{Ti}_2\text{CO}_3$  in step 42: Marko, I.E.; Murphy, F.; Dolan, S. *Tetrahedron Lett.* **1996**, *37*, 2507-2510.



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