

Sodium Dispersion Handleable Safely in Organic Synthesis

SD Super Fine™ (Sodium 25wt% dispersion in mineral oil)

5g / 25g / 100g [D5792]

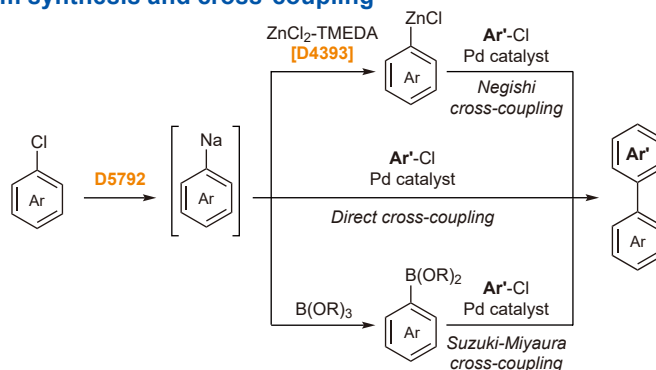
(The 100g size ships as one box with 4 x 25g bottles. This product is unavailable in China.)

Advantages

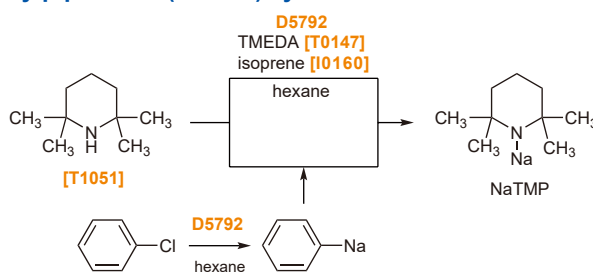
- Mineral oil dispersed particles (<10µm) allows for safe handling in air.
- Arylsodiums prepared using D5792 under mild conditions are applicable to cross-coupling reactions.
- Applicable to dehydration of organic solvents (e.g. THF) with less reagent and time due to the large specific surface area of dispersed particles, and simple quenching of dehydration.¹⁾

Applications

Organosodium synthesis and cross-coupling²⁾



Sodium tetramethylpiperidide (NaTMP) synthesis³⁾



- References**
- 1) R. Inoue, M. Yamaguchi, Y. Murakami, K. Okano, A. Mori, *ACS Omega* **2018**, *3*, 12703. DOI: <https://doi.org/10.1021/acsomega.8b01707>
 - 2) S. Asako, H. Nakajima, K. Takai, *Nat. Catal.* **2019**, *2*, 297. DOI: <https://doi.org/10.1038/s41929-019-0250-6>
 - 3) S. Asako, M. Kodera, H. Nakajima, K. Takai, *Adv. Synth. Catal.* **2019**, *361*, 3120. DOI: <https://doi.org/10.1002/adsc.201900215>

This product was commercialized with the cooperation and help from Kobelco Eco-Solutions Co., Ltd.

For further information please refer to our website at www.TCIchemicals.com.

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