

Sodium Dispersion Handleable Safely in Organic Synthesis

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

5g / 25g / 100g **[D5792]**

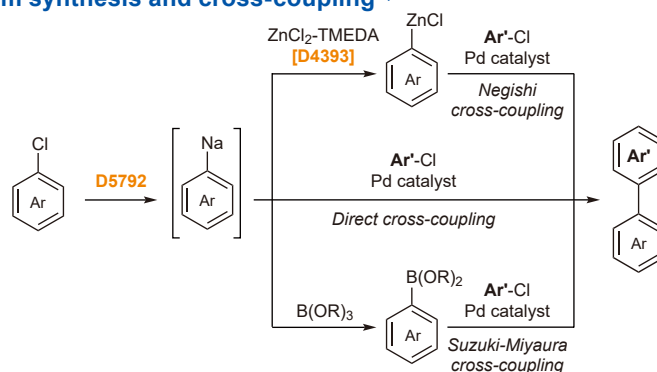
(The 100g size ships as one box with 4 x 25g bottles. This product is unavailable in China.)

Advantages

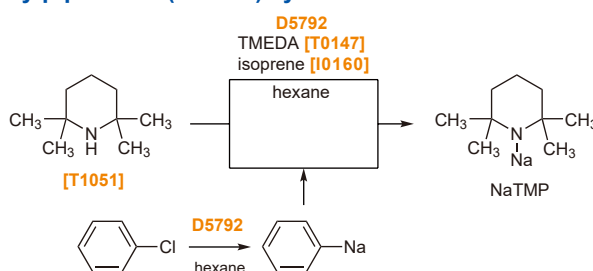
- Mineral oil dispersed particles (<10μm) allows for safe handling in air.
- Arylsodiums prepared using **D5792** under mild conditions are applicable to cross-coupling reactions.
- Applicable to dehydration of organic solvents (e.g. THF) with less reagent and time due to the large specific surface area 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. <https://doi.org/10.1021/acsomega.8b01707>
2) S. Asako, H. Nakajima, K. Takai, *Nat. Catal.* **2019**, 2, 297. <https://doi.org/10.1038/s41929-019-0250-6>
3) S. Asako, M. Koder, H. Nakajima, K. Takai, *Adv. Synth. Catal.* **2019**, 361, 3120. <https://doi.org/10.1002/adsc.201900215>

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

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

TCI sodium dispersion

Ordering and Customer Service

TCI AMERICA

Tel : 800-423-8616 / 503-283-1681
Fax : 888-520-1075 / 503-283-1987
E-mail : Sales-US@TCIchemicals.com

TCI EUROPE N.V.

Tel : +32 (0)3 735 07 00
Fax : +32 (0)3 735 07 01
E-mail : Sales-EU@TCIchemicals.com

TCI Deutschland GmbH

Tel : +49 (0)6196 64053-00
Fax : +49 (0)6196 64053-01
E-mail : Sales-DE@TCIchemicals.com

Tokyo Chemical Industry UK Ltd.

Tel : +44 (0)1865 78 45 60
E-mail : Sales-UK@TCIchemicals.com

梯希爱(上海)化成工业发展有限公司

Tel : 800-988-0390 / 021-67121386
Fax : 021-6712-1385
E-mail : Sales-CN@TCIchemicals.com

Tokyo Chemical Industry (India) Pvt. Ltd.

Tel : 1800 425 7889 / 044-2262 0909
E-mail : Sales-IN@TCIchemicals.com

TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878
E-mail : globalbusiness@TCIchemicals.com

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