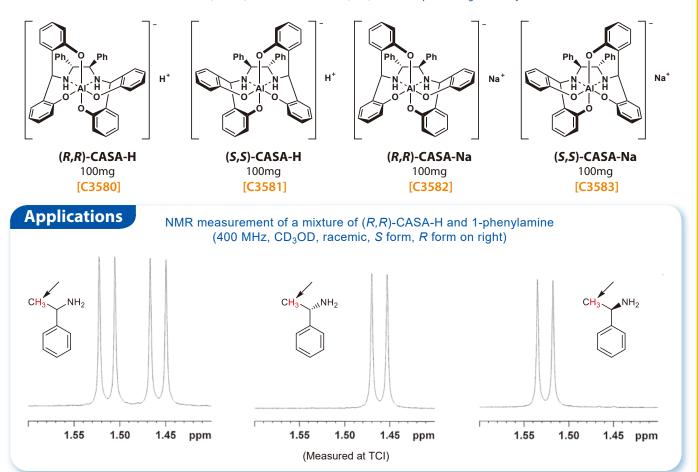


CASA: Aluminum Complexes as Chiral NMR Shift Reagents

CASAs are chiral hexa-dentate aluminum complexes utilized in the measurement of optical purity by NMR. When a mixture of a substrate and CASA are measured in NMR, the chemical shifts of the protons adjacent to oxygen and nitrogen functions are shifted, there by resolving the peaks of the two enantiomers present. Furthermore, CASA series compounds are able to determine optical purity by NMR in both polar and non-polar deuterated solvents.

Reference M.-S. Seo, H. Kim, J. Am. Chem. Soc. 2015, 137, 14190. https://doi.org/10.1021/jacs.5b09555



These products are commercialized under the instruction of Dr. Hyunwoo Kim.

For further information please refer to our website at www.TClchemicals.com. >>> TCI NMR shift





Ordering and **Customer Service**

TCI AMERICA

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

TCI EUROPE N.V.

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

TCI Deutschland GmbH

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

Tokyo Chemical Industry UK Ltd. Tokyo Chemical Industry (India) Pvt. Ltd.

: +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 : 021-6712-1385 E-mail: Sales-CN@TCIchemicals.com

: 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

[•] Chemicals itemized in this brochure are for research and testing use only. Please avoid use other than by chemically knowledgeable professionals. • Information such as listed products and its specifications and so on are subject to change without prior notice. • The contents may not be reproduced or duplicated in whole or in part without permission of Tokyo Chemical Industry Co., Ltd.