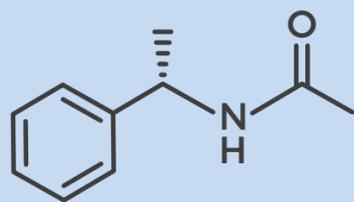


INTRODUCING CHIRALPAK® IH

THE NEWEST ADDITION TO OUR FAMILY OF IMMOBILIZED CHIRAL STATIONARY PHASES

CHIRALPAK IH

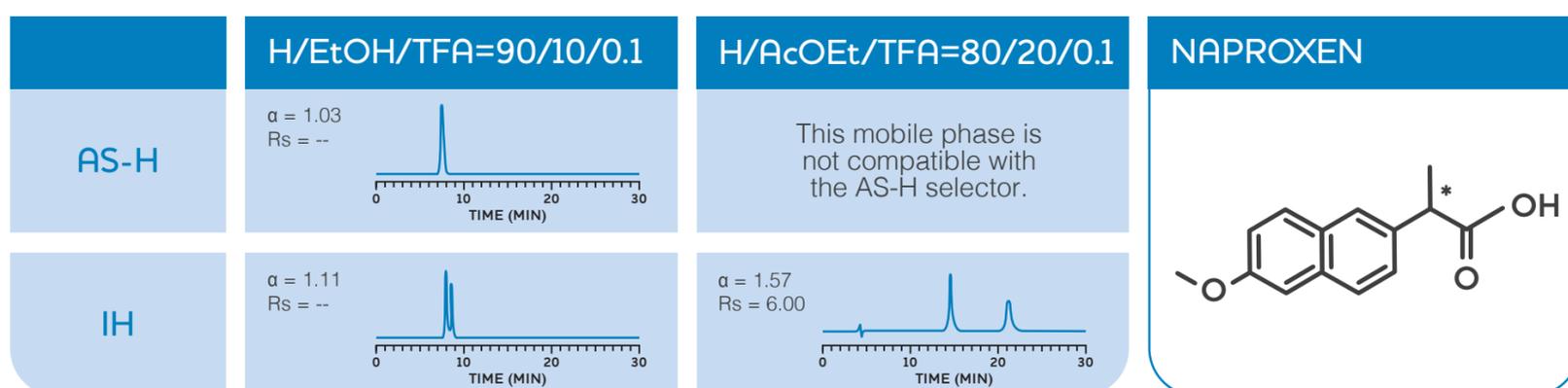


tris (S)- α -methylbenzylcarbamate

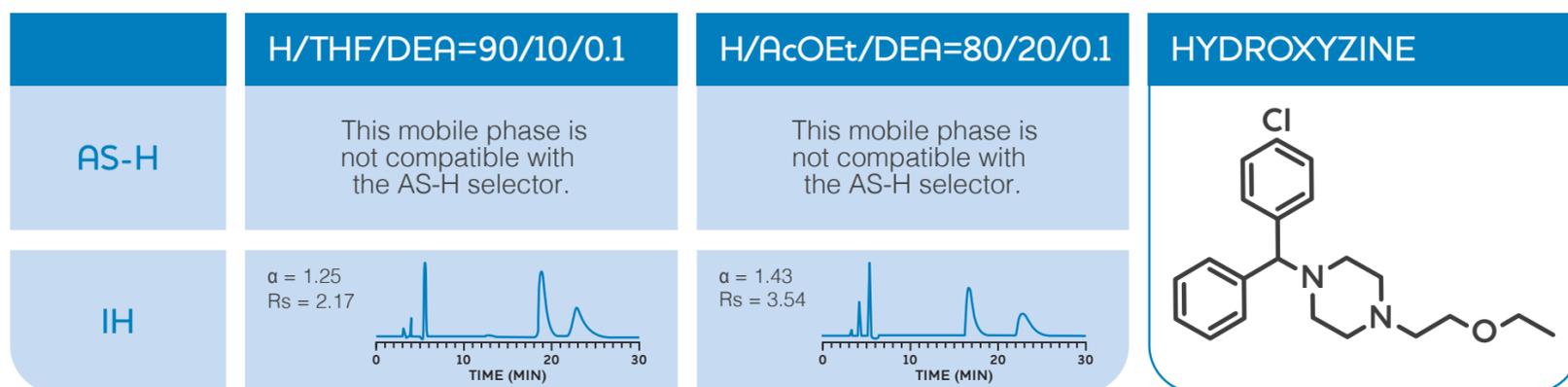
The immobilized CHIRALPAK IH chiral selector represents a significant improvement over the coated CHIRALPAK AS stationery phase, offering wider solvent versatility and robustness.

SOLVENT VERSATILITY

The separations of naproxen by the AS-H and IH chiral selectors are shown using a number of mobile phases. Clearly, by modifying the composition of mobile phases the best separation of naproxen is obtained with the mobile phase containing H₂O/A_COEt/TFA 80/20/0.1 v/v.



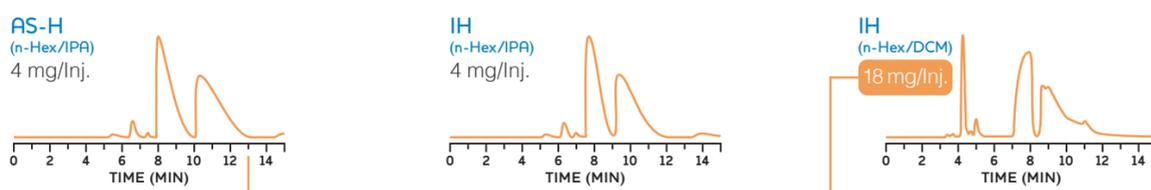
Excellent separations of hydroxyzine by the IH chiral selector are achieved with mobile phases specifically containing H₂O/AcOEt/DEA 80/20/0.1 v/v. The same mobile phases cannot be employed for the separations of hydroxyzine by the AS-H.



COMPOUND	COLUMN	ELUENT	UV (nm)	F.R. (mL/min)	Conc. (mg/mL)	Sampling Solvent	Temp (°C)
	AS-H	H/I=80/20	200	1.0	10.0	Eluent	25
	IH	H/I=80/20	200	1.0	10.0	Eluent	25
	IH	H/DCM/EtOH=85/15/1	260	1.0	25.0	Eluent	25

IMPROVEMENT OF LOADABILITY

Loadability of ethyl mandelate is compared for the AS-H and IH stationary phases. The data shows that the loadability of the immobilized IH stationary phase is superior to that of the AS-H phase. This is critically important for preparative scale separations of enantiomers.



DCM(CH₂Cl₂) is not compatible with the coated stationary phases.

Daicel and Chiral Technologies – the Chiral Chromatography Experts.

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