





Novel Rapid Excreting Immunothrombosis Inhibitors David Thiam En Lim^{1,2}, Michaël W. Kulka^{1,3}, Sreeparna Vappala^{1,3}, Suzana K. Straus², Jayachandran N. Kizhakkedathu^{1,2,3,4}

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Conclusions and Future Directions









Figure 10. ¹H NMR data of DLIS0018 in CDCl₃.

PEG₈₀₀ linker

ition	Et ₃ N, DCM	Catalysis (eq.)		Temperature	Duration	Precinitationa	1 st	2 nd	Column	Yield
		Ag ₂ O	KI	(°C)	Duration	recipitation	LLE ^b	LLE°	Column	(%)
1-1	\checkmark	×	×	rt	2 d	×	×	×	\checkmark	< 6
1-2	×	1.50	0.20	rt	overnight	\checkmark	\checkmark	×	×	< 15
1-3	×	1.50	0.20	40	overnight	\checkmark	\checkmark	×	×	< 11
1-4	×	1.50 × 3 ^d	0.20 × 3 ^d	0 – rt	5 d	\checkmark	\checkmark	\checkmark	×	< 38
1-5	×	7.50	1.00	rt	2 d	×	\checkmark	×	×	< 58

Table 1. Optimisation attempts at more selective mono-tosylation of PEG_{800} .

. Two more equivalents of catalysts were added, each equivalent on a separate day.

[4] Gould, T. J., et al., Journal of Thrombosis and Haemostasis (2015).

