Alox **G P A** aluminum oxide layers**🔧** Technical characteristics

- Aluminum oxide, mean pore size 60 Å, specific surface (BET) ~ 200 m<sup>2</sup>/g
- Inert organic binder
- Indicator: manganese-activated zinc silicate

**✔** Recommended application

- Terpenes, alkaloids, steroids, aliphatic and aromatic compounds
- We recommend to activate aluminum oxide layers before use by heating 10 minutes at 120 °C

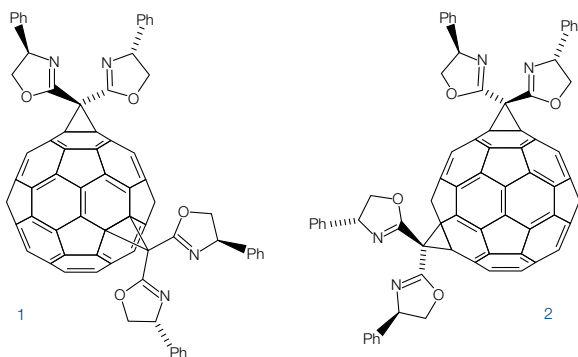
## Separation of bisadducts of fullerenes

MN Appl. No. 401930

F. Djojo, A. Hirsch, Chem. Eur. J. 4 (1998), 344–356

Layer: ALUGRAM® Alox N/UV<sub>254</sub>  
 Eluent: toluene – ethyl acetate (95:5, v/v)  
 Detection: UV, 254 nm

Compound	R <sub>f</sub> values
Bis[bis(4-phenyloxazolin)methane]fullerene 1	0.14
Bis[bis(4-phenyloxazolin)methane]fullerene 2	0.26



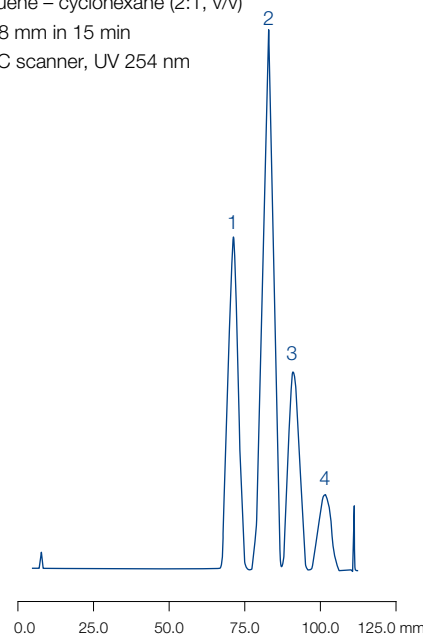
## Separation of lipophilic dyes

MN Appl. No. 403010

Layer: Alox-25 UV<sub>254</sub>  
 Sample volume: 1000 nL  
 Eluent: toluene – cyclohexane (2:1, v/v)  
 Migration distance: 108 mm in 15 min  
 Detection: TLC scanner, UV 254 nm

## Peaks:

1. Indophenol
2. Sudan red G
3. Sudan blue II
4. Butter yellow

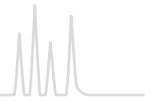


## Ordering information

Plate size [cm]	4 x 8	5 x 20	20 x 20	Thickness of layer	Fluorescent indicator
<b>Glass plates</b>					
Pack of [plates]		100	25		
Alox-25 UV <sub>254</sub>		807021	807023	0.25 mm	UV <sub>254</sub>
<b>Pack of [plates] (preparative TLC)</b>					
Alox-100 UV <sub>254</sub>			807033	1.00 mm	UV <sub>254</sub>
<b>POLYGRAM® polyester sheets</b>					
Pack of [plates]	50	50	25		
Alox N/UV <sub>254</sub>	802021	802022	802023	0.20 mm	UV <sub>254</sub>
<b>ALUGRAM® aluminum sheets</b>					
Pack of [plates]		50	25		
Alox N/UV <sub>254</sub>		818024	818023	0.20 mm	UV <sub>254</sub>

Further application examples can be found online in our application database at [www.mn-net.com/apps](http://www.mn-net.com/apps)

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