

Fig. 1 Kusumi et al.

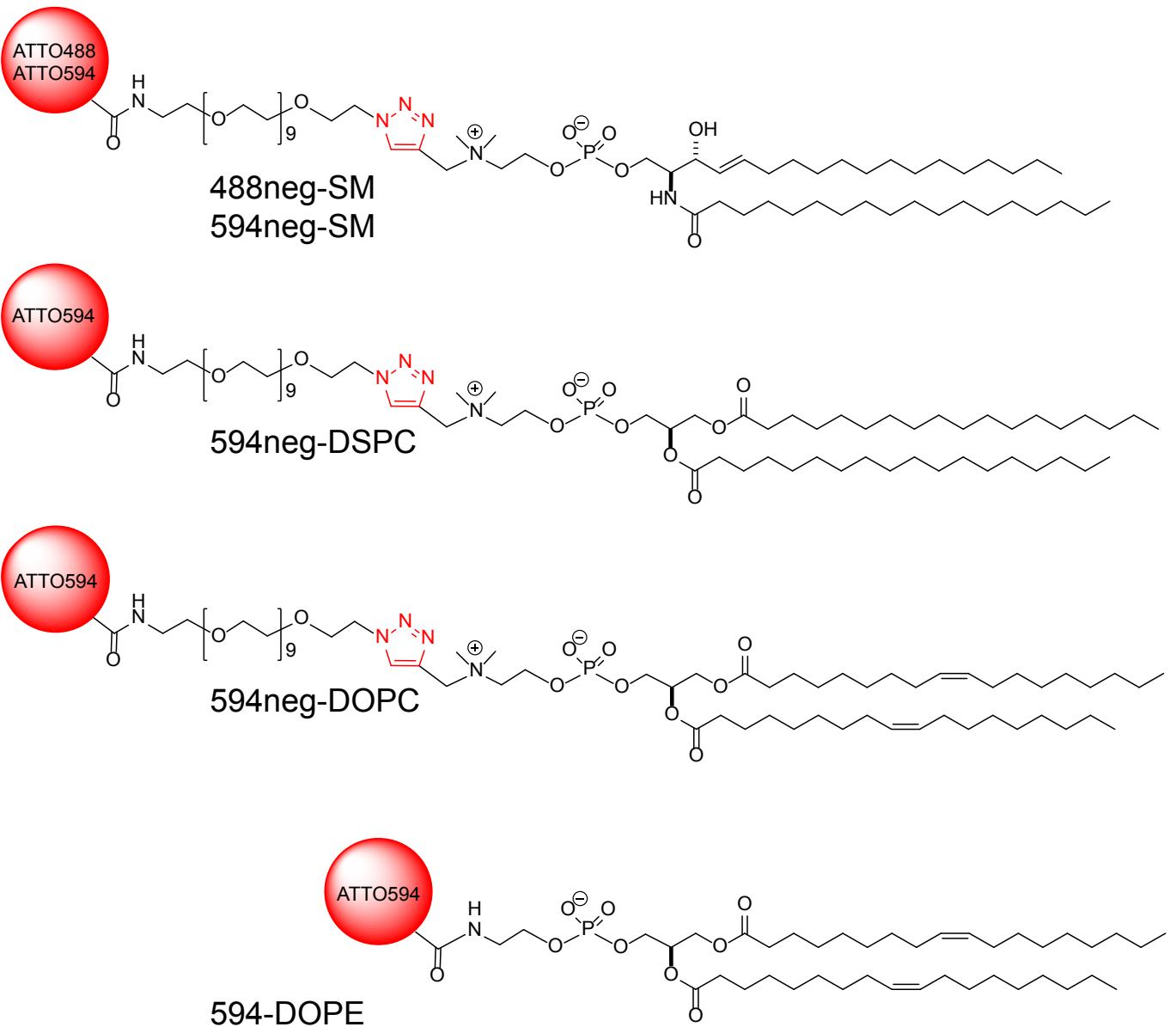


Fig. 2 Kusumi et al.

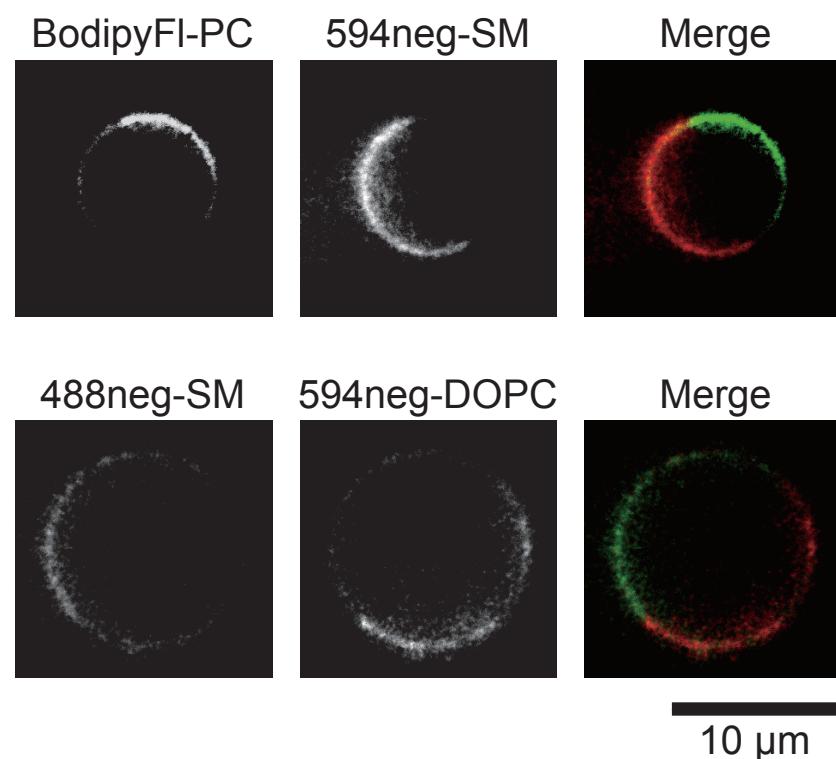
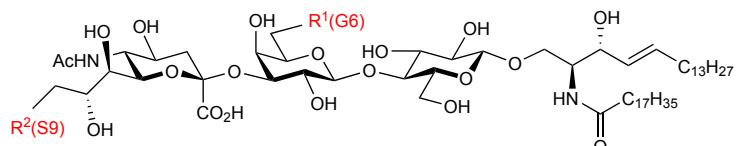


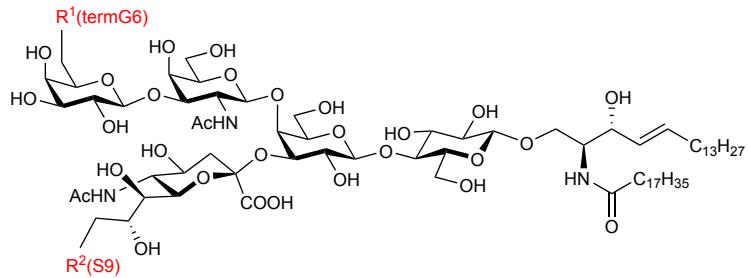
Fig. 3 Kusumi et al.

(A) Fluorescent GM3 analogs



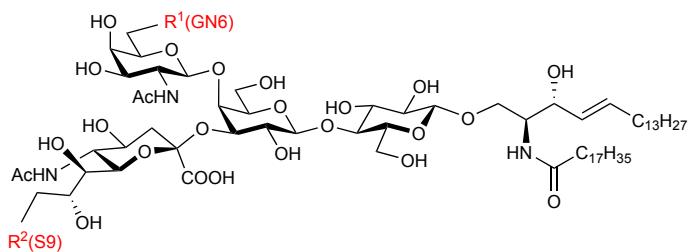
- 1** (TMR-G6-GM3) R¹ = NHC(=O)-TMR, R² = OH
- 2** (594-G6-GM3) R¹ = NHC(=O)-ATTO594, R² = OH
- 3** (TMR-S9-GM3) R¹ = OH, R² = NHC(=O)-TMR
- 4** (FI-S9-GM3) R¹ = OH, R² = NHC(=O)-FI
- 5** (594-S9-GM3) R¹ = OH, R² = NHC(=O)-ATTO594
- 6** (647N-S9-GM3) R¹ = OH, R² = NHC(=O)-ATTO647N
- 7** (488-S9-GM3) R¹ = OH, R² = NHC(=O)-ATTO488

(B) Fluorescent GM1 analogs



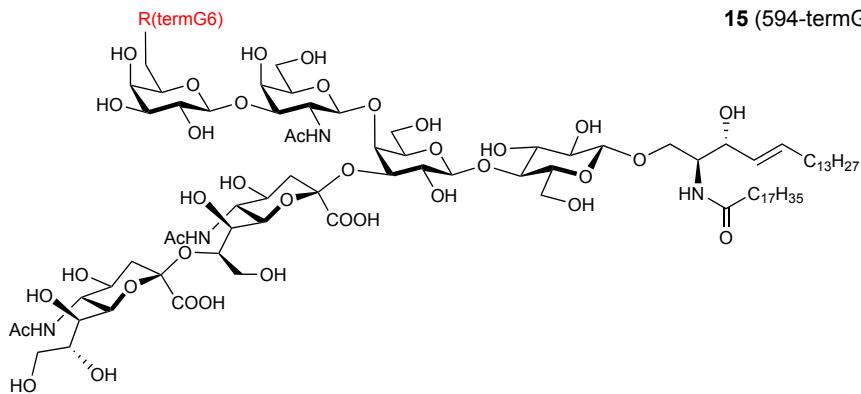
- 8** (TMR-S9-GM1) R¹ = OH, R² = NHC(=O)-TMR
- 9** (594-S9-GM1) R¹ = OH, R² = NHC(=O)-ATTO594
- 10** (488-S9-GM1) R¹ = OH, R² = NHC(=O)-ATTO488
- 11** (594-termG6-GM1) R¹ = NHC(=O)-ATTO594, R² = OH

(C) Fluorescent GM2 analogs



- 13** (594-S9-GM2) R¹ = OH, R² = NHC(=O)-ATTO594
- 14** (594-GN6-GM2) R¹ = NHC(=O)-ATTO594, R² = OH

(D) Fluorescent GD1b analog



- 15** (594-termG6-GD1b) R = NHC(=O)-ATTO594

Fig. 4 Kusumi et al.