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↳ of AG-135

2-photon ELA release quantification

samples irradiated with NIR (780 nm) in darkness

↳ LNO @ APTES-CM-ELA from AG-133

quantification by UPLC-MS, ELA standards from purification of AG-184

A		} 75 $\mu\text{g/mL}$
	B	
C		} 150 $\mu\text{g/mL}$
	D	

600 μL per well

times = 0, 1, 2, 5, 10, 15, 20, 30 (min)

 $\Rightarrow t_0 \rightarrow t_7$

- prepare 75 and 150 $\mu\text{g/mL}$ LNO in PBS 1x (1.5 mL each)
- irradiate and take aliquots of 40 μL , dilute with 160 μL PBS 1x $\equiv 5 \times$ dilution
- amount of ELA per mg of LNO estimated at 27 nmol/mg
 $\Rightarrow$ release max, at $5 \times$ dilution, is: 150 $\mu\text{g/mL} \rightarrow 810 \text{ nM}$
75 $\mu\text{g/mL} \rightarrow 405 \text{ nM}$
- diluted samples centrifuged, 100 μL of supernatant taken for UPLC-MS analysis
- calibration at 10, 25, 50, 100, 250, 500, 1000, 2500 nM in PBS 1x, repeated twice during UPLC-MS measurements
- measurements done in triplicate

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29.07.21

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