

Continued from page:

↳ of AG-134

1-photon ELA release quantification

samples irradiated with UV-A (366 nm) in darkness

↳ LNO@APTES-CH-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)

 $\Rightarrow t_0 \rightarrow t_2$

- 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 5x 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

Continued to page:

27.07.21

DATE

SIGNATURE



DATE

DISCLOSED TO AND UNDERSTOOD BY