

Cytotoxic and antiproliferative activity of LASSBio-2208 and the attempts to determine its drug metabolism and pharmacokinetics in vitro profile.

Raysa Magali Pillpe-Meza^{1,2}, Wesley Leandro Gouveia^{1,2}, Gisele Barbosa¹, Carlos A. M. Fraga^{1,2}, Eliezer J. Barreiro^{1,2}, Lídia Moreira Lima^{1,2*}.

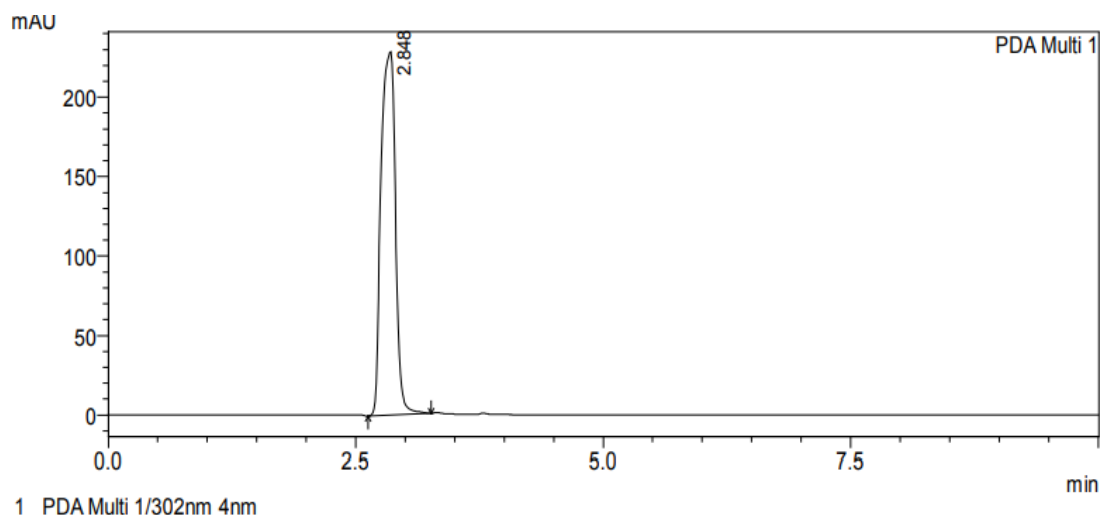
¹Laboratório de Avaliação e Síntese de Substâncias Bioativas (LASSBio®), Instituto Nacional de Ciência e Tecnologia de Fármacos e Medicamentos (INCT-INO FAR), Universidade Federal do Rio de Janeiro, Rio de Janeiro 21941-902, RJ, Brazil; rpillpe@gmail.com (R.M.P-M.); bgiselejf@gmail.com (G.B.); wleandrogouveia@gmail.com (W.L.G.); cmfraga@ccsdecania.ufrj.br (C.A.M.F.); ejbarreiro@ccsdecania.ufrj.br (E.J.B.)

²Programa de Pós-Graduação em Farmacologia e Química Medicinal, Instituto de Ciências Biomédicas, Universidade Federal do Rio de Janeiro, Rio de Janeiro 21941-902, RJ, Brazil

*Correspondence: lmlima23@gmail.com or lidialima@ufrj.br

Table of contents

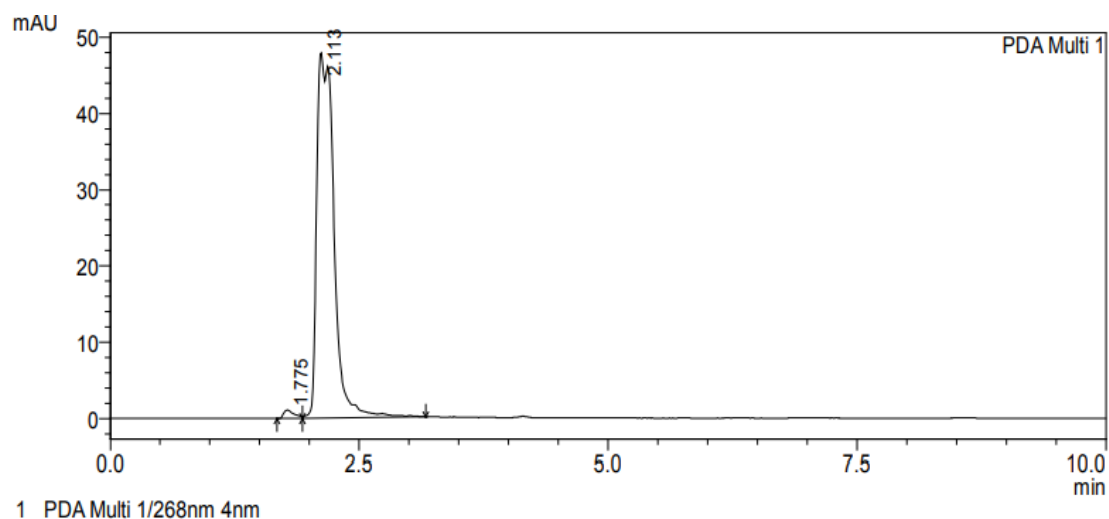
LC/UV Analysis.....	2
---------------------	---



PeakTable

PDA Ch1 302nm 4nm					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	2.848	2320143	228571	100.000	100.000
Total		2320143	228571	100.000	100.000

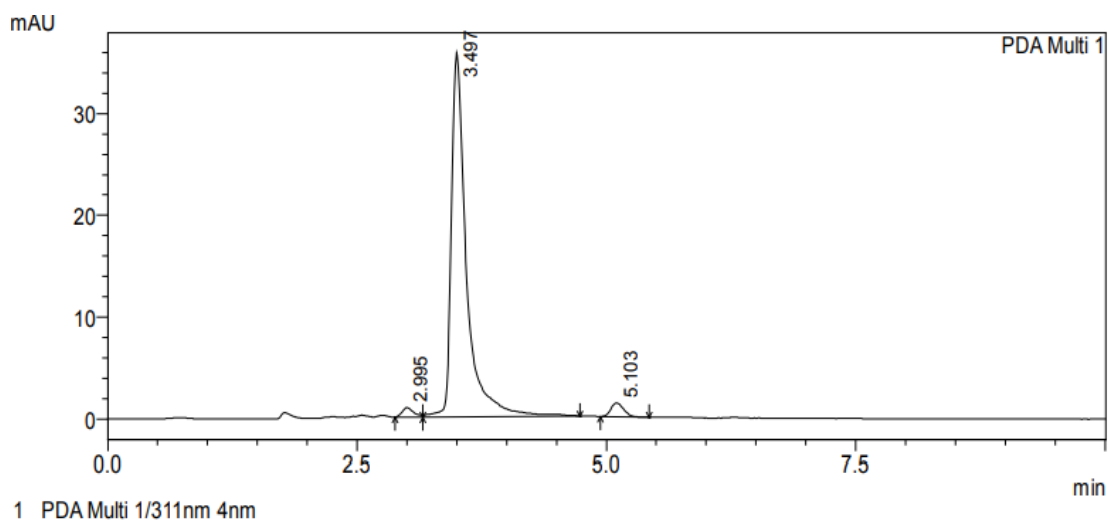
Figure S1 – Purity analysis of the Gedatolisib standard by HPLC. Samples analyzed at 302 nm. Isocratic mobile phase acetonitrile - acidified water (9:1) in 10 min at a flow rate of 1mL/min.



PeakTable

PDA Ch1 268nm 4nm					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	1.775	7949	1072	1.372	2.192
2	2.113	571440	47830	98.628	97.808
Total		579389	48902	100.000	100.000

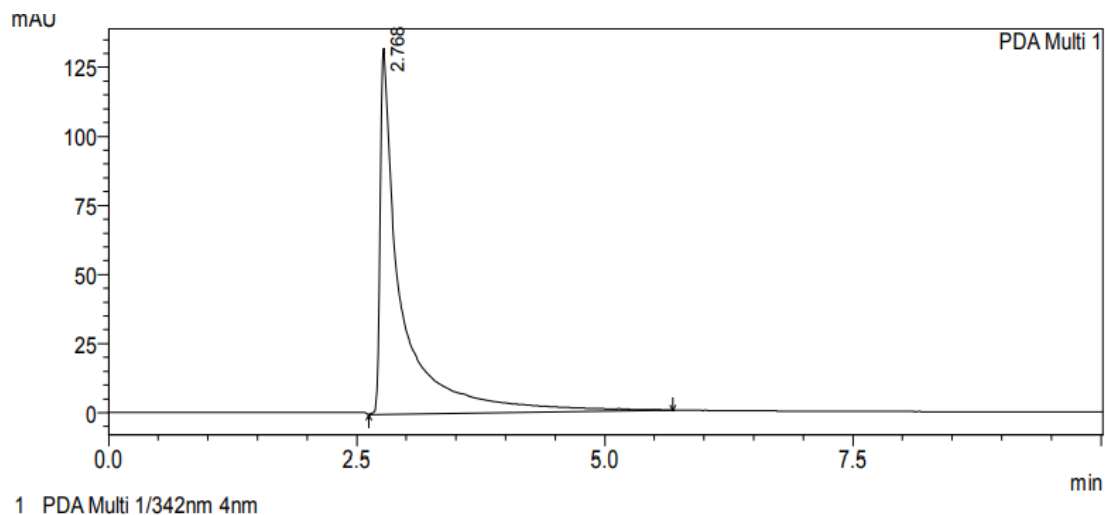
Figure S2 – Purity analysis of the Tubastatin A standard by HPLC. Samples analyzed at 268 nm. Isocratic mobile phase acetonitrile-acidified water (5:5) in 10 min at a flow rate of 1mL/min.



PeakTable

PDA Ch1 311nm 4nm					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	2.995	7632	943	1.922	2.481
2	3.497	377472	35726	95.052	93.973
3	5.103	12016	1348	3.026	3.546
Total		397120	38018	100.000	100.000

Figure S3 – Purity analysis of the compound LASSBio-2208 by HPLC. Samples analyzed at 311 nm. Isocratic mobile phase acetonitrile-acidified water (5:5) in 10 min at a flow rate of 1mL/min.



PeakTable

PDA Ch1 342nm 4nm					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	2.768	1968344	132432	100.000	100.000
Total		1968344	132432	100.000	100.000

Figure S4 – Purity analysis of the compound LASSBio-1911 by HPLC. Samples analyzed at 347 nm. Isocratic mobile phase acetonitrile - acidified water (9:1) in 10 min at a flow rate of 1mL/min.