



Assay	Type of assay	Area	Detection Technique	Price/compound internal users	Price/compound academia collaborations	Price/compound external users	personnel MEDINA required (cost/h)	Note
<b>ADME</b>								
PAMPA	Artificial membrane	Drug absorption	LC-MS/MS	504 €	720 €	900 €	yes (fee included)	1 compound
Caco-2 permeability	Caco-2 cells	Drug absorption	LC-MS/MS	1.400 €	2.960 €	3.700 €	yes (fee included)	1 compound
CYP450 inhibition (3 isoforms)	Enzymatic assay	Metabolism	LC-MS/MS	448 €	640 €	800 €	yes (fee included)	1 compound
Plasma stability	Enzymatic assay	Metabolism	LC-MS/MS	392 €	560 €	700 €	yes (fee included)	1 compound
Metabolite Stability in liver microsomes (x 3species)	Enzymatic assay	Metabolism	LC-MS/MS	1.344 €	1.920 €	2.400 €	yes (fee included)	1 compound x 3 species (human, mouse, rat, dog, monkey, pig)
In vivo and in vitro metabolic profiling (Phase I and II)	Detection and Identificaton of metabolites/Enzymatic assay	Metabolism	LC-HRMS	N/A	1.472 €	1.840 €	yes (fee included)	1 compound
Chemical stability (4 Ph disponibles)	Hydrolysis assays	Physicochemical profiling	LC-MS/MS	280 €	400 €	500 €	yes (fee included)	1 compound/1 Ph
Plasma protein binding	Dialysis equilibrium	Distribution	LC-MS/MS	504 €	720 €	900 €	yes (fee included)	1 compound
Kinetic solubility	Turbidimetric assay	Physicochemical profiling	Colorimetric	118 €	168 €	210 €	yes (fee included)	1 compound
Thermodynamic solubility	Ultrafiltration	Physicochemical profiling	LC-MS/MS	252 €	360 €	450 €	yes (fee included)	1 compound
<b>In vitro toxicity</b>								
AMES Test	Whole cell	Genotoxicity	Visual read-out	1.500 €	2.508 €	2.700 €	yes (fee included)	1 compound (*then 1.000€/extra compound)
In vitro mammalian micronucleus test	Nuclei labelling	Genotoxicity	HCS/ In-house analysis app	1.400 €	2.000 €	2.500 €	yes (fee included)	1 compound
Ion channels (K, Ca, Na)	Ion channel activity	Cardiotoxicity	Fluorescence (FLIPR Tetra*)	3.528 €	5.040 €	6.300 €	yes (fee included)	1-6 compounds
in vitro human cytotoxicity	Cellular assay	Citotoxicity	Colorimetric	560 €	800 €	1.000 €	yes (fee included)	1-16 compounds
<b>Pre-clinical assays</b>								
Method validation/ compound /biological matrix (biofluid or tissue)	In vivo	In vivo pharmacokinetic study	LC-MS/MS	N/A	2.080 €	2.600 €	yes (fee included)	1 compound
Analysis per sample plasma/tissues	In vivo	In vivo pharmacokinetic study	LC-MS/MS	N/A	40 €	50 €	yes (fee included)	1 compound
Calculation of biodistribution parameters	In vivo	Tissue biodistribution	LC-MS/MS	N/A	23.600 €	29.500 €	yes (fee included)	1 compound
In vivo MTD calculation	Mice, one dose, single administration	In vivo Toxicity studies	Visual and gross necropsy	N/A	4.400 €	5.500 €	yes (fee included)	1 compound
<b>Efficacy assays</b>								
Antitumor	Cellular assay	2D cultures	Colorimetric	700 €	1.000 €	1.200 €	yes (fee included)	384-well plate
Antitumor	Cellular assay	2D cultures	Imaging assay	700 €	1.000 €	1.200 €	yes (fee included)	384-well plate
In vitro antioxidant	In vitro assay	antioxidant	Colorimetric	700 €	1.000 €	1.200 €	yes (fee included)	384-well plate
Antioxidant	Cellular assay	ROS	Imaging assay	2.100 €	3.000 €	3.600 €	yes (fee included)	384-well plate
Apoptosis	Cellular assay	caspase-3	Imaging assay	2.100 €	3.000 €	3.600 €	yes (fee included)	384-well plate
Antiinflammatory	Cellular assay	cytokine production	HTRF	70 €	100 €	120 €	yes (fee included)	384-well plate
Target binding or Folding integrity*	In vitro assay	biophysics	Thermal shift assay	420 €	600 €	900 €	yes (fee included)	384-well plate
Target binding or protein-protein interaction inhibition*	In vitro assay	biochemistry	ELISA (colorimetric, luminescence)	980 €	1.400 €	1.700 €	yes (fee included)	384-well plate
Target binding or protein-protein interaction inhibition*	In vitro assay	biochemistry	HTRF or Alpha	840 €	1.200 €	1.500 €	yes (fee included)	384-well plate
Enzymatic activity or inhibition*	In vitro assay	biochemistry	Fluorescence or FRET	910 €	1.300 €	1.600 €	yes (fee included)	384-well plate

\*macromolecules will be provided by user or customly produced and charged in a separate custom quote