

Analytical service	Instrument	Results delivery	Quantity per test
LC/MS analysis	UPLC/MS	1 day	0.5 mg
NMR	Mercury 400	1-3 days	3-7 mg
Purity assessment (CoA, GLP)	UPLC/MS; NMR	4 days	5 mg
Kinetic solubility (1%DMSO pH7.4)	UPLC/MS	3 days	50 µL 10mM DMSO solution
Thermodynamic solubility (buffer solutions)	UHPLC/DAD	3 days	15-25 mg
Chemical stability (buffer solutions)	UPLC/MS	3 days	50 µL 10mM DMSO solution
pK <sub>a</sub>	T3	5 days	5-10 mg
logP	T3	5 days	5-10 mg
Hot stage microscopy	Linkam	3 days	2-5 mg
Optical rotation	Polarimeter	3 days	5-10 mg
Water content	KF	5 days	50-150 mg
Hygroscopicity (DVS)	DVS	3 days	10 mg
Thermal analysis (DSC, TGA, HS)	DSC, TGA, HS	5 days	10 mg
Counterion analysis	IC	3 days	5 mg
Dissolution profile	T3	2 weeks	100 mg
Pampa studies	GUT box	3 weeks	5 mg
Elucidation metabolites	UHPLC/MS (IT and QTOF)	3 weeks	in-vitro/in-vivo samples
Initial impurity identification	UHPLC/MS (IT and QTOF)	3 weeks	15-25 mg
Method development	UHPLC/DAD	3 weeks	15-25 mg
Stability indicating stress	UHPLC/DAD	3 weeks	50-100 mg
Method validation for formulation (GLP)	UHPLC/DAD	6 weeks	125-800 mg
Analysis of formulation (GLP)	UHPLC/DAD	4 weeks	125-500 mg
logD <sub>pH</sub> (GLP)	UHPLC/DAD	8 weeks	500-1000 mg
Salt screening	several	3 months	1-2 g