

Note: Prior to any of the following services, the cost of the project will be agreed upon. The total cost will be based on the following services and rates, but will depend upon the nature and complexity of the project.

Health Economics and Outcomes Research (Heor) Services

Services available:
Study design and protocol preparation
Protocol preparation, including identifying or developing appropriate survey instruments
Data collection and management
Data Analysis
Interpretation of Results and conclusions
Systematic Review and Meta-Analysis
Systematic Review and Meta-Analysis
Preparation of reports, manuscripts and presentations
Rate: Average of \$320 per hour*
<i>*This is the average rate for one hour of personnel time. All studies will be designed to meet the requirements of the Sponsor. The number of hours will depend upon the size and complexity of the project. Thus, the budget will vary based on the number of hours required and the personnel involved. Other expenditures may include computing, survey costs (such as honorariums), travel, etc. The costs will vary based on the needs and expectations of the sponsor.</i>

Medicinal and Synthetic Chemistry Baseline Fees

Synthesis of small molecule tool compounds with purity \geq 95% by HPLC and ^1H NMR and structure confirmed by ^1H NMR, ^{13}C NMR, and HRMS.

Synthesis of 1 to 10 grams with a 1.0 gram minimum	
	Total Costs
Research plan development	\$340 flat fee
Chemicals, reagents, solvents, supplies, etc.	\$799 per gram
Technician costs	\$54 per hour
♦ baseline estimate (18 h)	\$972
Faculty consulting and review	\$177 per hour
♦ baseline estimate (2 h)	\$354

Baseline cost examples	
Tool Compound Amount	Total Costs
1.0 gram	\$2,465
2.5 grams	\$3,664
5.0 grams	\$5,661
7.5 grams	\$7,658
10 grams	\$9,656

- All studies are designed to meet the requirements of the Sponsor, the budget will vary based on multiple design factors such as but not limited to: complexity of chemical synthesis, number of synthetic steps, cost of requisite building blocks and reagents, required solvents and volumes of solvents, number and type of purifications, and yield of synthetic transformations.

Synthesis of libraries of 10-20 new chemical entity analogs based on a hit and/or lead compound in amounts of 3-10 mg each with purity \geq 95% by HPLC and ^1H NMR and structure confirmed by ^1H NMR and HRMS.

Synthesis of 20 NCE analogs	
	Total Costs
Research plan development	\$340 flat fee
Chemicals, reagents, solvents, supplies, etc.	\$1295
Technician costs	\$54 per hour
♦ baseline estimate (42 h)	\$2,268
Faculty consulting and review	\$177 per hour
♦ baseline estimate (4 h)	\$708
Total Costs	
20 NCE Analogs Summary	\$4,611

- All studies are designed to meet the requirements of the Sponsor, the budget will vary based on multiple design factors such as but not limited to: number of analogs requested, complexity of chemical synthesis, number of synthetic steps, cost of requisite building blocks and reagents, number of regions in the scaffold to be scanned, required solvents and volumes of solvents, number and type of purifications, and yield of synthetic transformations.

Formulation Fees

Service	Priced by	Cost
Solubility	Compound	\$120
Dissolution testing - up to 24 hour release	Formulation	\$1500
Dissolution testing - 1+ week release	Formulation per week	
Differential scanning calorimetry	Compound/formulation	\$200
Thermogravimetric analysis	Compound/formulation	\$200
X-ray powder diffraction	Compound/formulation	\$200
Dynamic light scattering particle size and zeta potential	Formulation	\$75
Mastersizer particle size analysis	Formulation	\$75

- These are the basic rates, but all studies are designed to meet the requirements of the Sponsor. The actual budget will vary based on multiple factors, including the complexity of the study design and analyses, nature of the compound and formulation, and any additional consultation time needed.

Fees for Basic Ocular Hypertension Study to Evaluate Neuroprotection*

Technique	Cost per animal
Basic Ocular Hypertension Study to Evaluate Neuroprotection	
Includes magnetic microbead model of ocular hypertension over 4 weeks, weekly IOP measurement, single drug dosing, retinal ganglion cell quantification, preservation of CNS tissues and fluids	\$1,100
Examples of Add-on Costs (per animal)	
Anterograde axon transport analysis	\$150
Retinal ganglion cell Quantification	\$400
Optic nerve axon quantification	\$300
Greater than weekly IOP measurement	\$100
Greater than single drug dosing	\$50-\$100
PERG/VEP in rat (includes establishing baseline and 1 testing session)	\$250
PERG/VEP in mouse (includes establishing baseline and 1 testing session)	\$250
Intraocular injection	\$100

*All studies are designed to meet the requirements of the Sponsor, actual study budget will vary based on multiple design factors such as but not limited to: strain of animal being used, animal source/vendor, dose regimen being used, formulation requirements, endpoint parameter(s), study timeline, samples (tissues) and processing, plating media, personnel required, dose route, diagnostic tests (if applicable), number of time points, sample shipment, outsourced tests, method development.

Pharmaceutical Analysis Fees

Service	Unit	Fee
Method Development	Hour	\$120
Sample Preparation	Hour	\$120
Agilent 6460 QQQ LC/MS Sample Analysis	Hour	\$120
Agilent 6230 TOF LC/MS Sample Analysis	Hour	\$120
NMR Sample Analysis	Hour	\$120
Particle Analysis	Hour	\$120
FTIR Sample Analysis	Hour	\$120
Powder X-ray Diffraction Analysis	Hour	\$120
Thermogravimetric Analysis (TGA)	Sample	\$235
Differential Scanning Calorimetric Analysis (DSC)	Sample	\$245

- These are the basic rates. All studies are designed to meet the requirements of the Sponsor. Thus, services will vary due to the complexity of the analyses, need for method development, sample processing and any additional consultation time needed.