

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

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|---|
| 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 |
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| 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.