

DMPK Services

Determine the *in vivo* PK profile of your new agents

Optimize the *in vivo* pharmacokinetic properties of your lead candidates. Utilize high quality PK data generated by *in vivo* experts to progress your compounds with confidence.

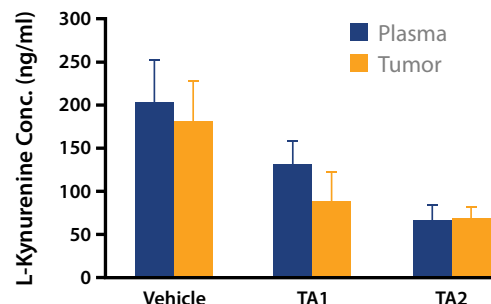
Rapidly evaluate the pharmaceutical and safety properties of your agents through *in vivo* PK services, available as an integrated drug discovery platform or a standalone service:

- *In vivo* PK studies progressing to investigation of PD biomarkers for small and large molecules
- Samples from various species (mouse, rat, rabbit, dog, NHP, pig, human)
- Various administration routes (i.v., p.o., i.p., s.c., i.m.)
- *In vivo* PK study design
- Single, multiple, and cassette dosing PK
- *In vivo* crossover studies for bioavailability (F)
- Plasma protein binding
- Histology and pathology expertise and sample preparation
- Serial blood collection over 24 hours
- PK tissue distribution and mass balance
- Excretion assays
- Maximum tolerated dose (MTD)

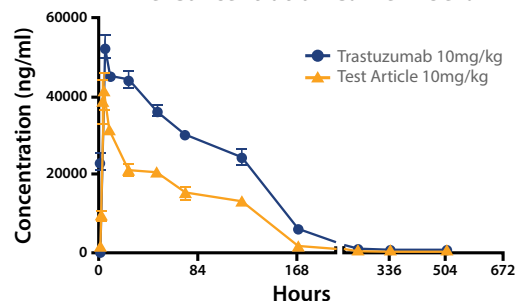
Bioanalysis using cutting-edge LC-MS/MS and HPLC technologies alongside ELISA and MSD assays:






- Method development and validation
- Quantitation analysis (parent compound, metabolites)
- Dosing solution analysis
- Various biological sample analysis

L-Kynurenine Concentration in Plasma and Tumors



Time-Concentration Curve in Serum



Species	Biofluids	Soft Tissue	Tough and Fibrous Tissue	Micro-sampling
 <ul style="list-style-type: none"> • Mouse • Rat • Rabbit • Dog • NHP • Pig • Human 	 <ul style="list-style-type: none"> • Plasma • Serum • Whole blood • Urine 	 <ul style="list-style-type: none"> • Tumor • Brain • Liver • Lung • Heart • Kidney • Spleen 	 <ul style="list-style-type: none"> • Muscle • Fat • Bone • Eye • Skin • Prostate • Testicle • Uterus 	 <ul style="list-style-type: none"> • Cerebrospinal fluid (CSF) • Joint fluid • Vitreous humor • Bile



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