



HOT ROD CHEMISTRY® RAPID FORMULATION SERVICE

As a formulation development company, Pharmatek Laboratories recognizes that new compounds, especially insoluble ones, have a better chance of success if properly formulated for animal efficacy testing. With this knowledge, Pharmatek has developed the Hot Rod Chemistry® (HRC) Rapid Formulation Service for solubilizing compounds for animal testing.



The HRC Rapid Formulation Service is especially useful for those companies that need to check animal efficacy or conduct preliminary PK studies prior to beginning a full formulation development program. Using our formulation expertise, Pharmatek focuses on formulating your molecule for efficacy studies as rapidly as possible while minimizing the amount of API required.

PROCESS

Pharmatek's scientists review information regarding the compound's structure and physiochemical properties. An initial solubility screen of excipients compatible with the selected route of administration and dosing protocol is performed. Based on target concentration and the resulting solubility data, promising formulations are selected for prototype development. These prototypes are monitored for physical stability at ambient conditions. The most successful formulations are supplied to the client in a formulation report, which includes: formulation composition, physical stability data, materials and supplier contact information, formulation instructions, and aqueous solubility data.

HRC Rapid Formulation Service enables you to move forward compounds that would normally be shelved due to poor solubility and poor bioavailability in animal models.

ABOUT PHARMATEK

Pharmatek Laboratories, Inc. is a premier pharmaceutical chemistry development organization supporting the pharmaceutical and biotechnology industries. Pharmatek focuses on bringing client compounds from discovery to the clinic with services that include compound selection, analytical development, preformulation testing, formulation development, GMP manufacturing and stability storage and testing.

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