

The Only Premium Kits for Rapid Chiral Resolution



ChiroSolve[®] Kits are custom- designed with the specific needs of Medicinal and Process/Scale-up Chemists in mind.



Screen Kits

Focus: Define most commercially viable separation conditions through comprehensive screening to expedite purification processes.

Benefits: ChiroSolve Screen Kits offer rapid method to exhaustively identify separation conditions for chiral molecules

Comprehensive scope, kits include 384 cheaply-commercially available reagent-solvent combinations to be tested in parallel for unbiased screening

Time efficient, 1 hour of hands-on work, results in 24 hours

No guesswork, consistent results, avoid human errors

Establish IP estate through comprehensive knowledge of separation conditions

Self-contained kits, miniaturized and standardized for robotic manipulation

Rapid, comprehensive approach affords process options, supporting intellectual property foundation

Easy, rapid preparation of enantiomer for early lead optimization and preclinical testing

Process optimization for scale up and commercial manufacturing

Guided path for technology decision and go/no go development decisions

Confidence in selecting product development candidates and strategies

Comprehensive screening provides piece of mind

Reaction Flow of Solid Racemate Kit

ChiroSolve, Inc. 



1

Use the ChiroSolv kit for solid racemate



2

Add racemate and remove the "Transfer" solvent



3

Add ChiroSolv solvents



4

Heat the kit until vials contain homogeneous solution



5

Cool the homogeneous content until crystals form



6

Identify vials with crystals for further analysis

Get clear definition of optimum resolution condition for downstream method development

Specification	Performance	Requirements
<p>High-throughput standard plate format compatible with automation</p> <p>Polypropylene racks and vials for self-contained experimentation</p> <p>Vial configuration promotes easy inspection and handling</p> <p>Long product shelf life (up to 10 years at room temperature)</p> <p>32 reagents / 12 solvents combinations offered to yield 384 conditions</p>	<p>Elapsed time: 24 hours</p> <p>Hands-On Work: less than 1 hour</p> <p>Can be used against any type of racemate (acid, base, alcohol, amino acid, aldehyde, ketone)</p> <p>Definitively determines if commercially viable crystallization route is feasible for target molecule</p>	<p>Available in Lab</p> <p>3 to 12 mmol of racemate</p> <p>Heat plate , Water bath</p> <p>Analysis Setup</p> <p>ChiroSolve Products</p> <p>Screen kit (384 conditions)</p> <p>User's Manual showing step-by-step procedure to follow</p> <p>Result charts to record results</p>