



RFAP™ Matrix

Powder Formulation for Extremely Insoluble Oral Drug Candidates

Nearly half of new drug candidates in development are poorly soluble compounds. Of these, many are extremely insoluble and lack any appreciable water or oil solubility, making them unformulatable using conventional approaches.

To overcome this high hurdle, LATITUDE Pharmaceuticals Inc. is offering its **Rapidly-dissolving, Free-flowing Amorphous Particle (RFAP) Matrix** formulation. This approach uses GRAS-listed materials to formulate particularly challenging compounds into a rapidly-dissolving yet highly stable matrix. In addition to its desirable pharmaceutical properties, the matrix is a fine, freely-flowing powder that is ideal for automated tableting.



Key Features of the RFAP Matrix

- Greatly improves oral bioavailability
- Applicable for drugs that are insoluble in oil, water or both
- Rapid dissolution
- High drug loading (10-20%)
- Thermodynamically stable amorphous drug form
- Does not revert to crystal form (at least ~1.5 yrs)
- Simple manufacturing process
- Dose as powder or in capsules
- Low cost of goods
- Automated tableting-capable
- *Patent pending*

