

AFFINISOL™

Solving the Insoluble



What is it?

AFFINISOL™ Hydroxypropyl Methyl Cellulose (HPMC) is a soluble polymer that can help optimize solubility enhancement by maintaining stable solid dispersions and inhibiting API crystallization.

What is it used for?

More sophisticated drug discovery techniques have led to pipeline compounds that require solubility enhancement to be therapeutically effective. Solid dispersions are the key technology to formulate oral solid dosage forms addressing bioavailability challenges. AFFINISOL™ polymers have been specifically designed for formulating solid dispersions via hot-melt extrusion (HME) but also offer solubility in many common spray drying solvents and can be used in the formation of spray dried dispersions.

AFFINISOL™ HPMC HME offers flexibility in choosing a polymer viscosity for optimization of both solubility enhancement and drug release profiles.

Product Recommendations*

Application	Recommended AFFINISOL™	Benefits
Hot-Melt Extrusion	HPMC HME 15LV, 100LV, 4M	Extrudable HPMC with processing versatility that requires no plasticizer and provides expanded IR and CR functionality
Spray Dried Dispersion	HPMC HME 15LV	Soluble in many common spray drying solvents. HPMC helps stabilize the solid dispersion and prevent recrystallization

* Examples only and not representative of a complete list of recommended products or benefits

** Developmental materials



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