

Improve Selectivity with Prionil[®] PG

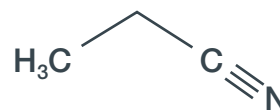
APPLICATION PROFILE

With a higher boiling point and less solubility than acetonitrile, Prionil PG improves selectivity and receptor site targeting.

PRIONIL PG

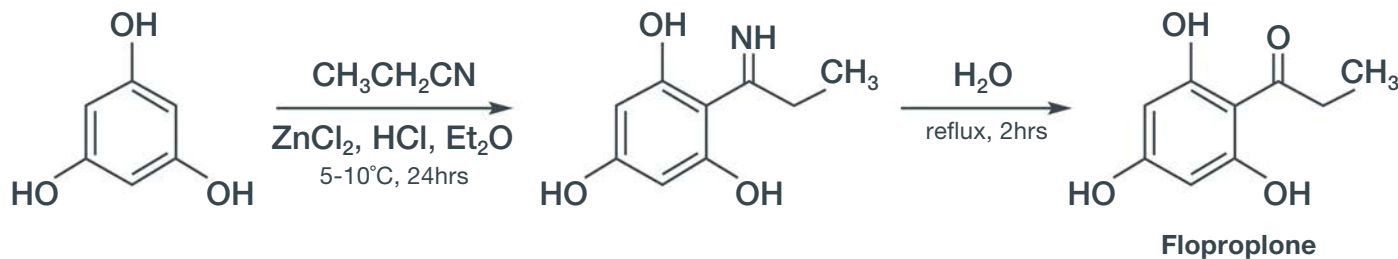
An aliphatic nitrile with a high boiling point, low melting point and only 12% solubility, Prionil PG performs better than acetonitrile in aqueous bi-phasic reactions. Prionil PG is used to produce COMT inhibitors using the Houben-Hoesch reaction.

Specific gravity @ 20°C	0.7818	Freezing point (°C)	Prionil PG -92°	Acetonitrile -49°
Boiling point (°C)	97°	Boiling point (°C)	Prionil PG 97°	Acetonitrile 82°
Freeze point (°C)	-92°	Solubility @ 23°C	Prionil PG 50 to 100 mg/mL	Acetonitrile ≥100 mg/mL
Vapor pressure @ 20°C	52 hPa			
Viscosity @ 20°C	0.479 mPa.s			
Vapor density (air=1) @ 0°C	0.031			



Propionitrile

Houben-Hoesch reaction with Prionil PG



Floproplone is the chemical name for a number of antispasmodic COMT inhibitors in use today.