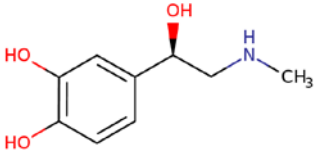


Epinephrine Base

Synonym	Adrenaline / L-Adrenaline / (R)-1-(3,4-Dihydroxyphenyl)-2-(N-methylamino)ethanol				
CAS. No.	51-43-4				
Quality	EP / USP / JP				
CMO / Manufacturer	SYN-TECH CHEM. & PHARM. CO. LTD, No. 168 Kai Yuan Rd, Hsin Ying Tainan City 73055, Taiwan				
Pharmacological group	Catecholamines / andrenergic				
Application	injection / auto-injector / inhaler / prefilled syringe / nasal spray / sublingual tablets				
Manufacturing / Extraction	<i>Synthetic</i>	<i>Semi-Synthetic</i>	<i>Fermentation</i>	<i>Extractive</i>	
	■	-	-	-	
Project status	<i>Lab</i>	<i>Up-Scale</i>	<i>Validation</i>	<i>Commercial</i>	
	-	-	-	■	
Regulatory documentation	<i>CEP</i>	<i>EU-AP (Open Part)</i>	<i>US-TDP</i>	<i>J-DMF</i>	<i>Other</i>
	■	■	■	■	■
Technical product specification	<i>Samples</i>	<i>Batch size</i>	<i>Retest Period</i>	<i>Stability Data</i>	<i>Packaging</i>
	■	approx. 50-55 kg	5 years	■	100 g / 500 g
	<i>Lead Time</i>		<i>Shipping & Storage Conditions</i>		<i>Other</i>
	1 week		no special		-
GMP status / Audit	<ul style="list-style-type: none"> • EU-GMP & local GMP • third party audit available • US-FDA / EDQM / PMDA approved manufacturing site 				
Unique features	<ul style="list-style-type: none"> • Originators process (BI) transferred 1:1 to Taiwan • identical API with identical impurity profile • fully integrated process at Syn-Tech (including starting material & intermediate to the final API) 				
Other information	<ul style="list-style-type: none"> • comparison study (Boehringer/Syn-Tech) available • worldwide approvals 				
Contact / Productmanager	Stefan Bertram bertram@transopharm.de fon: +49 (0) 4107 8778 123				