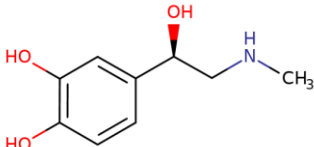


Epinephrine Base

Synonym	Adrenaline / L-Adrenaline / (R)-1-(3,4-Dihydroxyphenyl)-2-(N-methylamino)ethanol				
CAS. No.	51-43-4				
Quality	EP / USP / JP / CP				
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> <input checked="" type="checkbox"/>	<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> <input checked="" type="checkbox"/>	
Regulatory documentation	<i>CEP</i> <input checked="" type="checkbox"/>	<i>EU-AP (Open Part)</i> <input checked="" type="checkbox"/>	<i>US-TDP</i> <input checked="" type="checkbox"/>	<i>J-DMF</i> <input checked="" type="checkbox"/>	<i>Other</i> <input checked="" type="checkbox"/>
Technical product specification	<i>Samples</i> <input checked="" type="checkbox"/>	<i>Batch size</i> approx. 50-55 kg	<i>Retest Period</i> 5 years	<i>Stability Data</i> <input checked="" type="checkbox"/>	<i>Packaging</i> 100 g / 500 g
	<i>Lead Time</i> 1 week		<i>Shipping & Storage Conditions</i> no special shipping conditions; storage conditions under 25°C		<i>Other</i> -
GMP status / Audit	<ul style="list-style-type: none"> • EU-GMP / local GMP / TGA-GMP / CADIFA-GMP (Brazil) • 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 on key intermediate and final API basis • worldwide approvals • 2 years API-safety stock in Germany in two warehouses • *additional regulatory documentation: Brazil-AP-DMF 				
Contact / Productmanager	Jessica Ha ha@transopharm.de fon: +49 (0) 4107 8778 224				