



Product Information

Product ID C3352

CAS No. 364782-34-3

Chemical Name

Synonym

Formula $C_{22}H_{22}F_3N \cdot HCl$

Formula Wt. 393.87

Melting Point

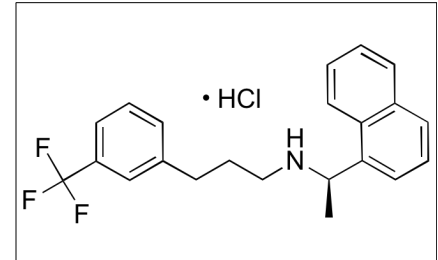
Purity $\geq 99\%$

Solubility 100mM in DMSO

Store Temp Ambient

Ship Temp Ambient

Description Cinacalcet is an agonist at Ca^{2+} -sensing receptors that is clinically used to treat secondary hyperparathyroidism with chronic kidney disease. Cinacalcet also displays anti-fibrotic activity. This compound decreases levels of parathyroid hormone (PTH), increases adiponectin secretion, and lowers oxidative stress. This compound increases sensitivity of Ca^{2+} -sensing receptors to serum Ca^{2+} levels. In vivo, cinacalcet decreases renal epithelial-to-mesenchymal transition (EMT) and prevents the development of renal fibrosis.



Bulk quantities available upon request

Product ID	Size
C3352	5 mg
C3352	25 mg
C3352	100 mg

References Kuczera P, Adamczak M, Machnik G, et al. Treatment with Cinacalcet Increases Plasma Adiponectin Concentration in Hemodialysed Patients with Chronic Kidney Disease and Secondary Hyperparathyroidism. *Endocr Pract.* 2015 Mar 18:1-22. [Epub ahead of print]. PMID: 25786554.

Wu M, Tang RN, Liu H, et al. Cinacalcet attenuates the renal endothelial-to-mesenchymal transition in rats with adenine-induced renal failure. *Am J Physiol Renal Physiol.* 2014 Jan 1;306(1):F138-46. PMID: 24154694.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.