Certificate of Analysis

Name:	Tranylcypromine; *trans*-2-Phenylcyclopropylamine hydrochloride
Structure:	See on Page 2
Catalog Number:	X042-1EA
Lot Number:	09A030
Amount/Quantity:	10 mM when reconstituted with 1mL water or appropriate buffer
Format:	Lyophilized from water
Description:	Inhibitor of prostacyclin synthase[1], monoamine oxidase inhibitor. Also an inhibitor of LSD1, a histone H3 demethylase (IC_{50}>2μM)[2]. Treatment of P19 embryonal carcinoma cells with tranylcypromine resulted in global increase in H3K4 methylation
Uses:	As an inhibitor of the histone demethylase, LSD1.
Storage:	Lyophilized short term 4˚C, reconstituted -20˚C.
Instructions for Use:	Add 1 mL of deionized water or buffer to the vial to reconstitute. Let sit for 5 minutes and vortex gently.
NOTES:	Contains no preservative. After reconstitution please freeze any unused solution in aliquots. **The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.**

1: R.B. Silverman and P.A. Zieske *Biochemistry* 1985 **24** 2128
2: M.G. Lee *et al. Chem. Biol.* 2006 **13** 563

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Chemical Structure: