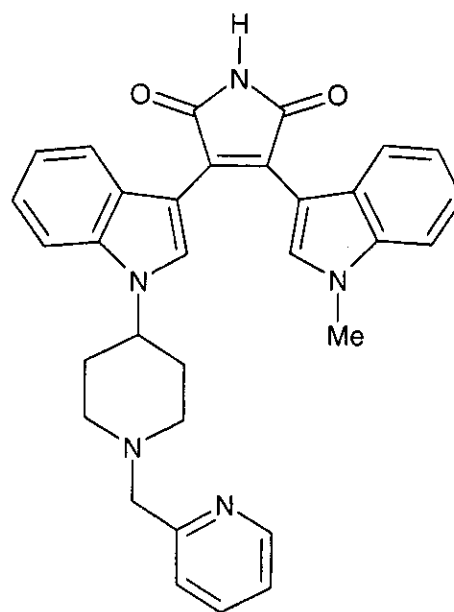


LC Laboratories®

CERTIFICATE OF ANALYSIS

Enzastaurin, Free Base >99%

LC LABS CAT. NO. **E-4506**
FORMULA $C_{32}H_{29}N_5O_2$
M.W. 515.60
CAS NO. [170364-57-5]
STORAGE Store at or below -20 °C***
SOLUBILITY Soluble in DMSO at 7.1 mg/mL with warming; very poorly soluble in ethanol; very poorly soluble in water; maximum solubility in plain water is estimated to be about 1-10 μ M; buffers, serum or other additives may increase or decrease the aqueous solubility.



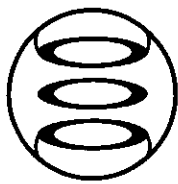
ANALYTICAL DATA

LOT NUMBER **ENZ-103**
FORM Crystalline or amorphous solid; granular or powder
COLOR Orange
HPLC PURITY >99% (see attached chromatogram)
TLC PURITY >99% (see attached chromatogram)
ELEMENTAL ANALYSIS For $C_{32}H_{29}N_5O_2 \cdot 0.3H_2O$:

	<u>Calculated</u>	<u>Found</u>
C	73.77%	73.83%
H	5.73%	5.64%
N	13.44%	13.38%

***This product is stable at ambient temperature for several weeks during ordinary shipping and time spent in Customs or other delay. For long-term stability, store tightly closed at -20 °C.

Lot completion date: September 11, 2020

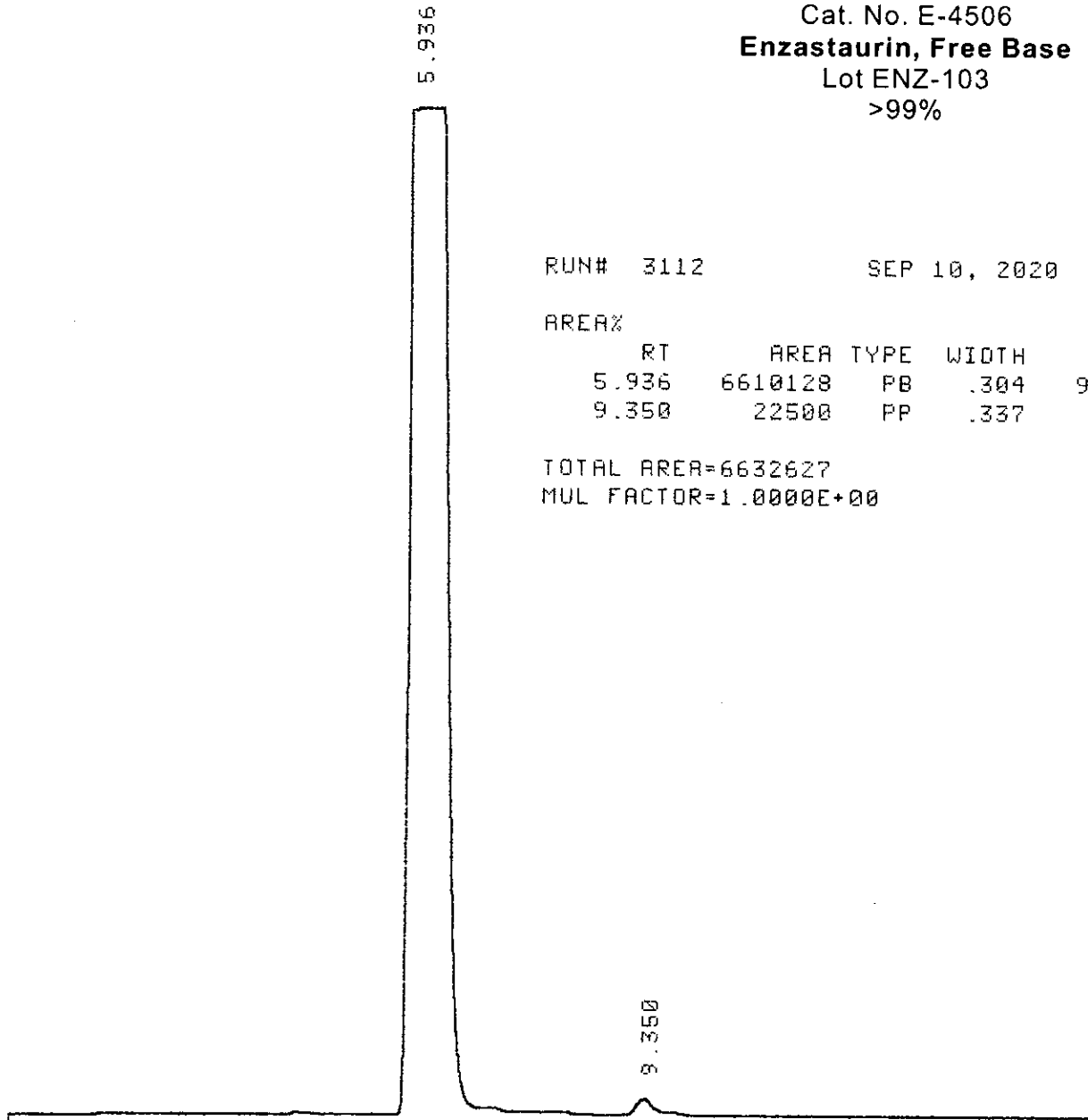


LC Laboratories[®]

Cat. No. E-4506
Enzastaurin, Free Base
Lot ENZ-103
>99%

*CAT No. E-4506 ENZASTAURIN, FREE BASE LOT No. ENZ-103

* RUN # 3112 SEP 10, 2020 15:35:45
START

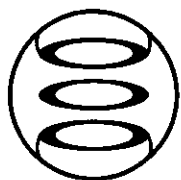


RUN# 3112 SEP 10, 2020 15:35:45

RT	AREA	TYPE	WIDTH	AREA%
5.936	6610128	PB	.304	99.66077
9.350	22500	PP	.337	.33923

TOTAL AREA=6632627
MUL FACTOR=1.0000E+00

HPLC: C₁₈ column, 4.6 mm x 30 cm
Mobile phase: acetonitrile/methanol/water/trifluoroacetic acid 27/27/46/0.1
2 mL/min
UV₂₅₄ detection



LC Laboratories[®]

Cat. No. E-4506
Enzastaurin, Free Base
Lot ENZ-103
>99%



- TLC: 60 Å silica gel plates with fluorescent indicator
- Develop with Chloroform/Methanol/conc.NH₄OH 90/10/1
- Visualize via short wave UV fluorescence quenching
- Also visualize by exposure to iodine vapor