

## 4322-v CA-074 (Typical Assay)

(L-3-trans-(Propylcarbamoyl)oxirane-2-Carbonyl) L-isoleucyl-L-proline

M.W. 383.44       $C_{18}H_{29}N_3O_6$       CAS No: [134448-10-5]

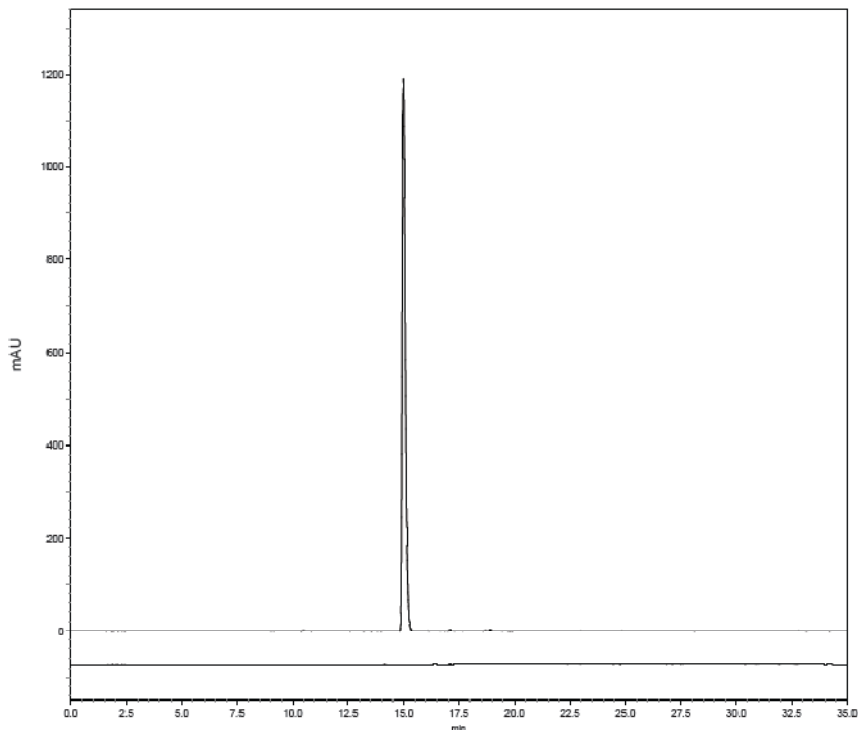
**Appearance:** white powder

**Specific optical rotation:**  $[\alpha]_D^{20} - 14.8^\circ$  (C 1.23; EtOH)

**Elemental Analysis:** Calculated for  $C_{18}H_{29}N_3O_6 \times 0.6$  AcOEt  
 calc. C: 56.16      H: 7.81      N: 9.63  
 found: C: 56.25      H: 8.10      N: 9.91

**Amino Acid Analysis:** 6N HCl, 110 °C, 22 h  
 Pro (1) 1.00    Ile (1) 0.95

**TLC:** single spot  
**Silica Gel Layer** Application: 50 µg  
 Solvent System:  $CHCl_3 : MeOH : AcOH = 95 : 5 : 3$   
 $CHCl_3 : MeOH : AcOH : H_2O$   
 10 : 10 : 1 : 10 (lower phase)  
 Located by iodine and HBr/Ninhydrin reagent



Sample Size: 0.5 µl (1.12 mg / 112 µl MeOH)  
 Column: YMC Pack ODS A-302 (4.6 mm ID x 150 mm)  
 Detection 210 nm

**CA-074 is sold for research purposes only and not for use in humans**