Supporting Information

Identification of the First trans-(3R,4R)-Dimethyl-4-(3-hydroxyphenyl)piperidine Derivative to Possess Highly Potent and Selective Opioid Kappa Receptor Antagonist Activity

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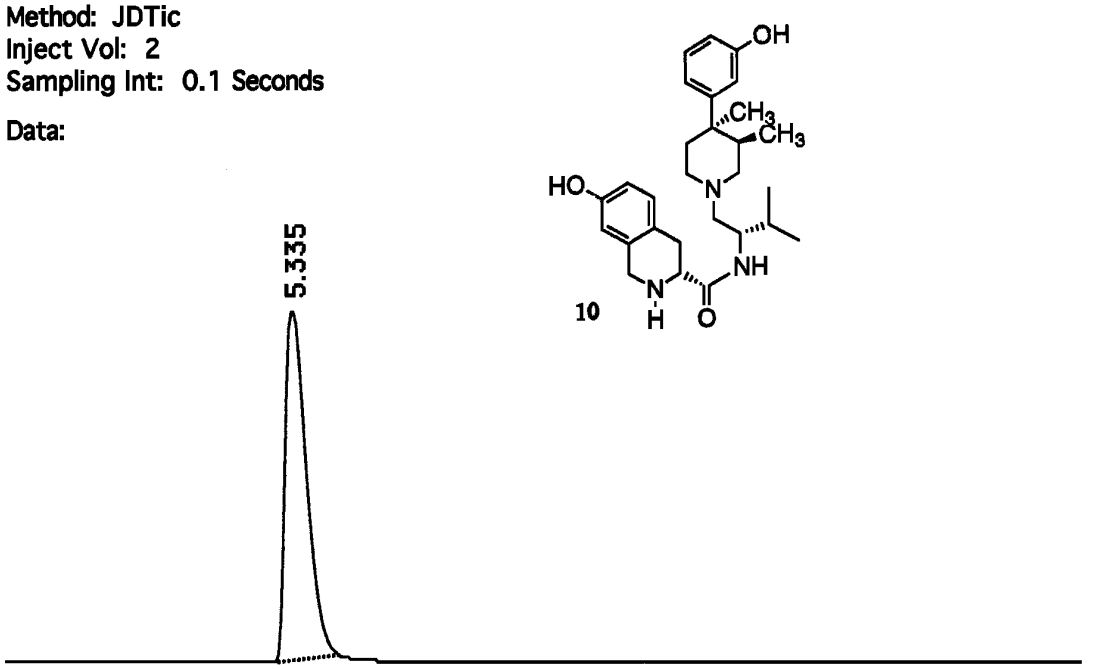
(**1**) HPLC trace for JDTic (**10**)

Date: Tue, Apr 24, 2001 12:17 PM
Data: JDTic-24APR101-004

Sample: JDTic (1.5 mg/ml CH3OH), Waters XTerra MS C18 column (3.9*150 mm, 5 μm) A: 0.1% TFA-H2O, B: [CH3CN-CH3OH, 1-1], 30% B, 1 ml/min, 270 nm,

Method: JDTic
Inject Vol: 2
Sampling Int: 0.1 Seconds
Data:

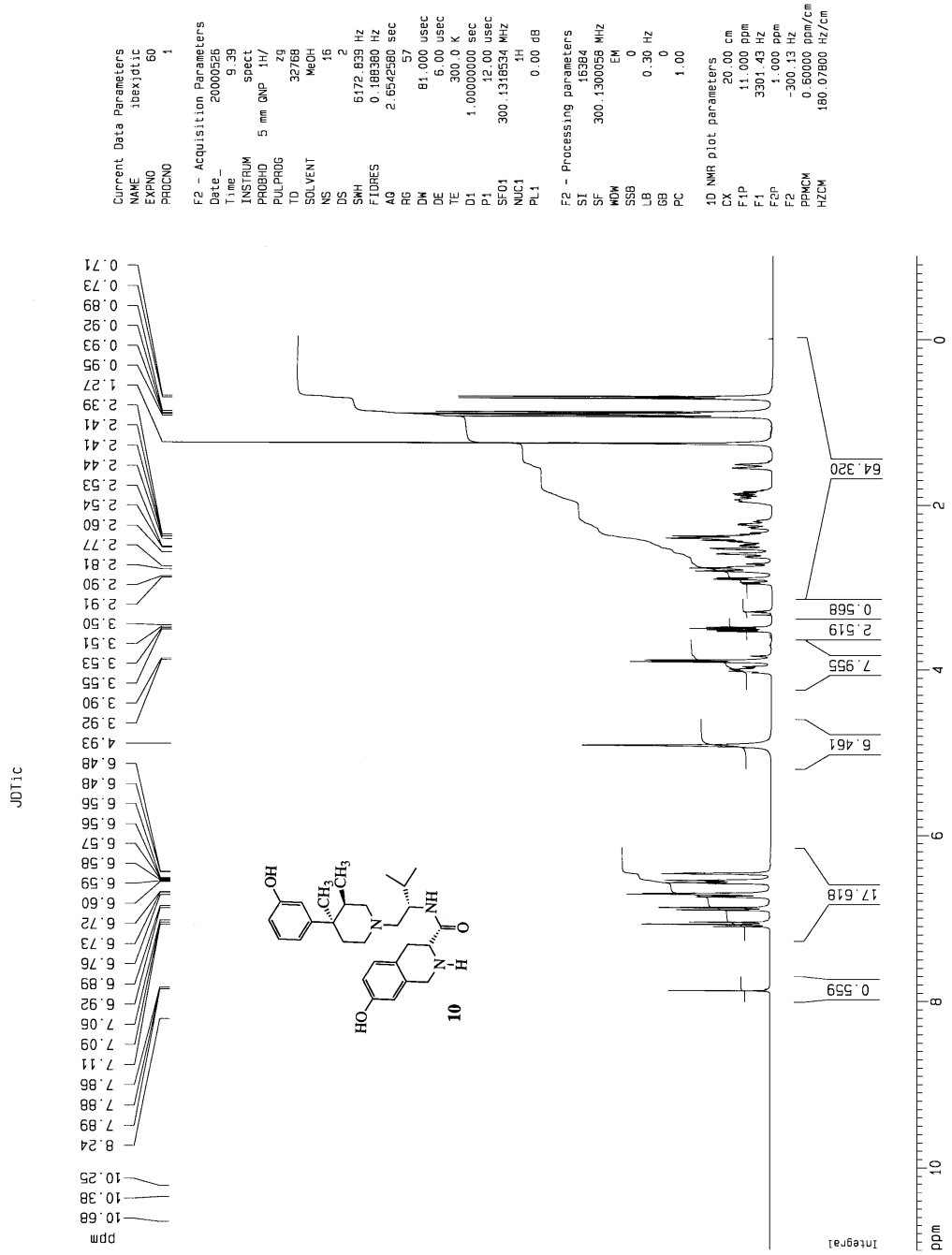


0.0 20.0

Analysis: Channel A

Peak No.	Time	Type	Height(μV)	Area(μV-sec)	Area%
1	5.335	N	28471	704125	100.000
Total Area				704125	100.000

^{1}H NMR spectrum for JDTic (**10**)



(2) electrospray mass spectrum for JDTic (**10**)