

Chemical Information:

Name: Dihydrokavain
CAS No.: 587-63-3
Tox21_ID No.: Tox21_201033
NTP_CID No.: 733

Supplier: PhytoLab
Lot No.: 1106
MW: 232.28 g/mol

Date of Analysis: 10 June 2010

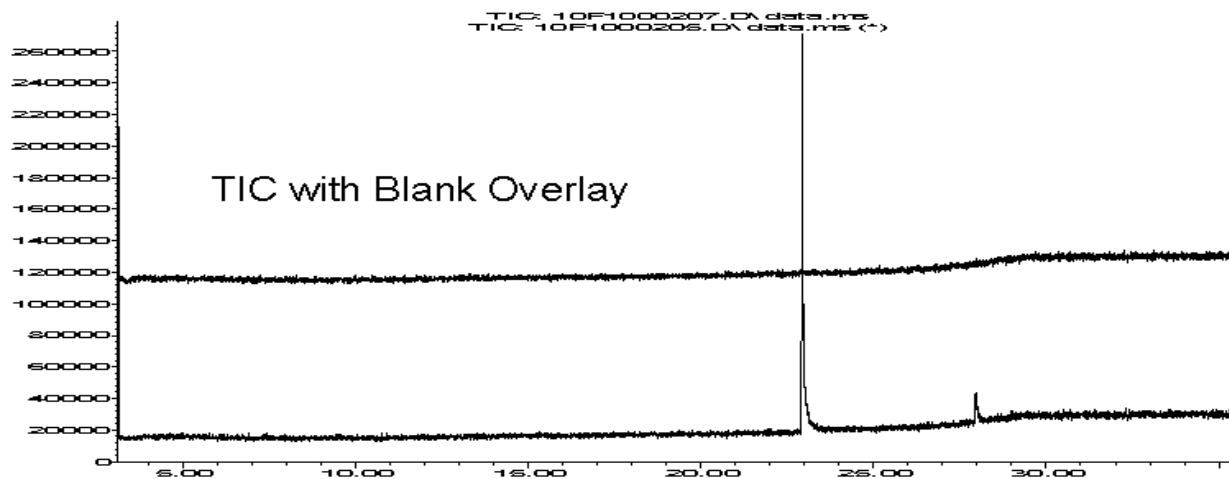
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Dihydrokavain	22.95	100.00

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 300°C, hold 7 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD Chemstation, v E.02.00.SP2 and NIST Library v 2.0f, build 10/8/2008



m/z	Molecule / Fragment
232	C ₁₄ H ₁₆ O ₃
200	C ₁₃ H ₁₂ O ₂
155	C ₈ H ₁₁ O ₃
141	C ₇ H ₉ O ₃
127	C ₆ H ₇ O ₃
117	C ₉ H ₉
105	C ₈ H ₉
91	C ₇ H ₇
77	C ₆ H ₅
68	C ₄ H ₄ O

