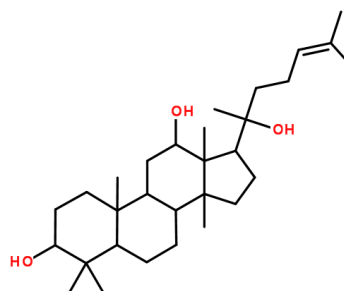


## Certificate of Analysis

### PRODUCT INFORMATION

NAME	20(S)-Protopanaxadiol
OTHER NAME	Protopanaxdiol
CAS NUMBER	30636-90-9
CHEMICAL FORMULA	C <sub>30</sub> H <sub>52</sub> O <sub>3</sub>
MOLECULAR WEIGHT (MW)	460.738
FROM	<i>Panax ginseng</i>
PURITY	92.63%(HPLC-UV)
LOT NUMBER	YSEC20140915B
DATE OF REPORT	Sep 2014

### Structure



### ANALYTICAL RESULTS

TEST	STANDARDS	RESULTS
APPEARANCE	White powder	White powder
IDENTIFICATION	<sup>13</sup> C-NMR	Conforms
PURITY (HPLC)	≥98%	92.63%(HPLC-UV)
CONCLUSION	Conforms to standard	

### STORAGE CONDITIONS

STORAGE	Room Temperature in a dry place.
EXPIRATION DATE	2 years under the above conditions.

INSPECTOR: Xiangyun Wang REVIEWER: Yuehui Liu



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