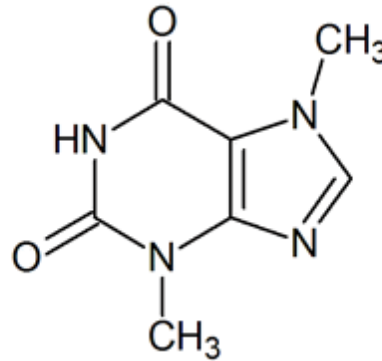


## Theobromine

2,6-Dihydroxy-3,7-Dimethyl-Purine; 3,7-Dimethyl-Xanthine; 3,7-Dihydro-3,7-Dimethyl-1H-Purine-2,6-dione

### Physical Data

<b>Item Number:</b>	T235116
<b>CAS Number:</b>	83-67-0
<b>EC Number:</b>	201-494-2
<b>Formula:</b>	C <sub>7</sub> H <sub>8</sub> N <sub>4</sub> O <sub>2</sub>
<b>Formula Weight (g/ Mole):</b>	180.16
<b>Shape:</b>	Powder
<b>Density (Gm/ CC):</b>	Not Available
<b>Melting Point (C):</b>	357; Sublim. 290-295
<b>Boiling Point (C):</b>	Not Available
<b>Flash Point (C):</b>	Not Available
<b>Viscosity (Centipoise):</b>	Not Available
<b>Surface Tension (Dynes/cm):</b>	Not Available
<b>Vapor Pressure:</b>	Not Available
<b>Optical Activity [α]<sub>D20</sub>:</b>	Not Available
<b>Shelf Life:</b>	5 Years



### Typical Analytical Data

Test	Specification
Description	White powder, very slightly soluble in water and in ethanol, slightly soluble in ammonia. It dissolves in dilute solutions of alkali hydroxides and in mineral acids
Identification	FT-IR, TLC
Acidity	BP
Related Substances	BP
Heavy Metals	20 ppm Max
Loss on Drying at 105 °C	0.5 % Max
Ash	0.1 % Max
Assay	(99- 101) %

### Packages

Package Code	Package
T235116-100MG	100 mg
T235116-250MG	250 mg
T235116-1G	1 g
T235116-5G	5 g

### Safety Data

<b>Hazard Statement(s):</b>	H302
<b>Precautionary statement(s):</b>	P260;P262
<b>UN Number:</b>	Not Available

GHS Pictograms:

