Crystal Data:  Cubic.  Point Group:  \( 4/m \overline{3} 2/m \) (synthetic).  As subhedral grains, to 200 \( \mu m \).

D(meas.) = n.d.  D(calc.) = [16.5]

R: (470) 75.2, (546) 72.6, (589) 73.3, (650) 75.7

Cell Data:  Space Group:  \( Fm\overline{3}m \) (synthetic).  \( a = 3.856(1) \)  \( Z = 4 \)

X-ray Powder Pattern:  Stillwater complex, Montana, USA.  
0.7874 (100), 0.8623 (80), 0.8847 (70), 2.227 (60), 1.362 (50), 1.162 (50), 1.927 (30)

Chemistry:  

<table>
<thead>
<tr>
<th>Element</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pt</td>
<td>59.6</td>
</tr>
<tr>
<td>Rh</td>
<td>41.7</td>
</tr>
<tr>
<td>Total</td>
<td>101.3</td>
</tr>
</tbody>
</table>

(1) Stillwater complex, Montana, USA; by electron microprobe, corresponding to \( \text{Rh}_{0.57}\text{Pt}_{0.43} \).

Occurrence:  A single grain was found in heavy mineral concentrates (Stillwater complex, Montana, USA).

Association:  Platinum, Pt–Fe alloy, gold, moncheite, kotulskite, merenskyite, cooperite, 
braggite, vysotskite, sperrylite, pyrite, chalcopyrite, pyrrhotite, chromite, magnetite, marcasite, 
vilalarite, graphite (Stillwater complex, Montana, USA).

Distribution:  In the USA, from the Stillwater complex, Montana [TL], and at Fox Gulch, 
Goodnews Bay, Alaska.

Name:  From the Greek \textit{rhodon}, rose.

Type Material:  Royal Ontario Museum, Toronto, Canada, M33257.

References:  (1) Cabri, L.J. and J.H.G. Laflamme (1974) Rhodium, platinum, and gold alloys from 
(3) Ewald, P.P. and C. Hermann, Eds. (1931) Rhodium, \( \text{Rh} \).  Strukturbereicht, 1, 69 (in German).  