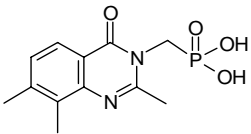
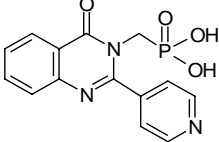
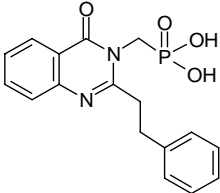
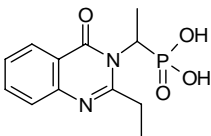
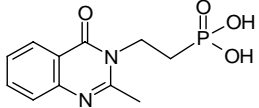
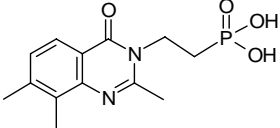
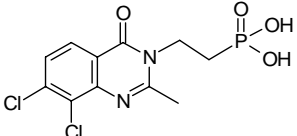
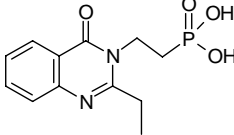
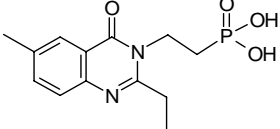
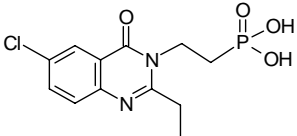
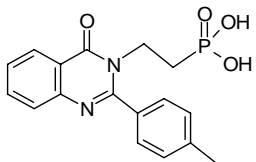
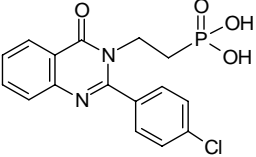
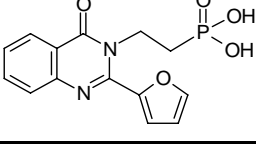
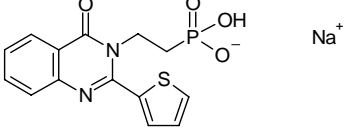
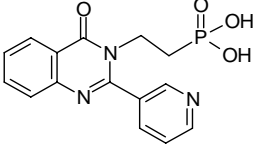
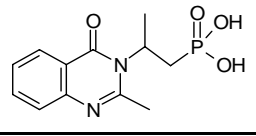
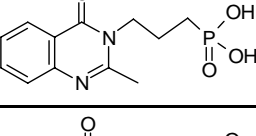
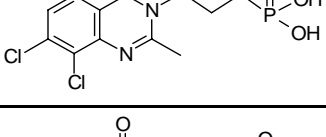
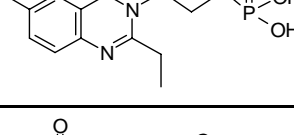
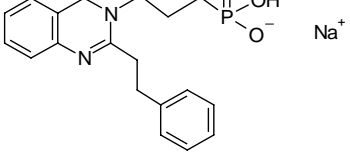
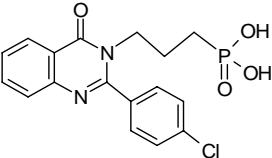
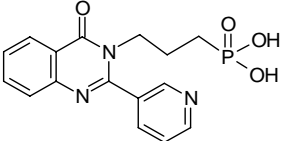


## BENZOPYRIMIDINONE-ALKYL-PHOSPHONIC ACIDS.xls

ID Number	Structure	Formula	M.W.	m.p. (°C)	Remarks
<b>U</b>					
<b>BENZOPYRIMIDINONE-ALKYL-PHOSPHONIC ACIDS</b>					
U01-17-3976		C <sub>12</sub> H <sub>15</sub> N <sub>2</sub> O <sub>4</sub> P	282,24	217-223	colorless crystals
U01-17-3977		C <sub>14</sub> H <sub>12</sub> N <sub>3</sub> O <sub>4</sub> P	317,24	281-290	yellowish crystals
U01-17-3979		C <sub>17</sub> H <sub>17</sub> N <sub>2</sub> O <sub>4</sub> P	344,31	213-217	colorless crystals
U01-17-3980		C <sub>12</sub> H <sub>15</sub> N <sub>2</sub> O <sub>4</sub> P	282,24	243-246	colorless crystals
U02-17-3981		C <sub>11</sub> H <sub>13</sub> N <sub>2</sub> O <sub>4</sub> P	268,21	267-273	colorless crystals
U02-17-3982		C <sub>13</sub> H <sub>17</sub> N <sub>2</sub> O <sub>4</sub> P	296,27	130-132	colorless plates
U02-17-3983		C <sub>11</sub> H <sub>11</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>4</sub> P	337,10	260-269	colorless crystals
U02-17-3984		C <sub>12</sub> H <sub>15</sub> N <sub>2</sub> O <sub>4</sub> P	282,24	229-233	colorless crystals
U02-17-3985		C <sub>13</sub> H <sub>17</sub> N <sub>2</sub> O <sub>4</sub> P	296,27	246-252	cream-colored crystals
U02-17-3986		C <sub>12</sub> H <sub>14</sub> ClN <sub>2</sub> O <sub>4</sub> P	316,68	113-115	colorless crystals

U02-17-3988		C <sub>17</sub> H <sub>17</sub> N <sub>2</sub> O <sub>4</sub> P	344,31	154-157	colorless crystals
U02-17-3989		C <sub>16</sub> H <sub>14</sub> ClN <sub>2</sub> O <sub>4</sub> P	364,73	258-263	colorless crystals
U02-17-3990		C <sub>14</sub> H <sub>13</sub> N <sub>2</sub> O <sub>5</sub> P	320,24	229-232	colorless crystals
U02-17-3991		C <sub>14</sub> H <sub>12</sub> N <sub>2</sub> NaO <sub>4</sub> PS	358,29	343-347	white solid
U02-17-3992		C <sub>15</sub> H <sub>14</sub> N <sub>3</sub> O <sub>4</sub> P	331,27	207-212	colorless crystals
U02-17-3993		C <sub>12</sub> H <sub>15</sub> N <sub>2</sub> O <sub>4</sub> P	282,24	258-263	colorless crystals
U03-17-3994		C <sub>12</sub> H <sub>15</sub> N <sub>2</sub> O <sub>4</sub> P	282,24	251-254	white solid
U03-17-3995		C <sub>12</sub> H <sub>13</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>4</sub> P	351,13	220-224	colorless crystals
U03-17-3996		C <sub>14</sub> H <sub>19</sub> N <sub>2</sub> O <sub>4</sub> P	310,29	118-123	white solid
U03-17-3997		C <sub>19</sub> H <sub>20</sub> N <sub>2</sub> NaO <sub>4</sub> P	394,35	304-309	colorless crystals
U03-17-3998		C <sub>17</sub> H <sub>16</sub> ClN <sub>2</sub> O <sub>4</sub> P	378,75	253-257	colorless crystals

U03-17-3999	 The structure shows a benzopyrimidinone core with a pyridine ring attached at the 5-position. A propyl chain is attached to the nitrogen at the 2-position, which is terminated by a phosphonic acid group (-P(=O)(OH)2).		
C16H16N3O4P	345,30	149-152	colorless crystals